

NSDC-4000-12000-50-6-S

4~12GHz, 50W, 6dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	4~12GHz
Insertion Loss:	1.2dB max.
VSWR:	1.5 max.
Directivity:	12dB min.
Coupling:	6±1dB
Impedance:	50Ω
Average Power:	50W

Mechanical

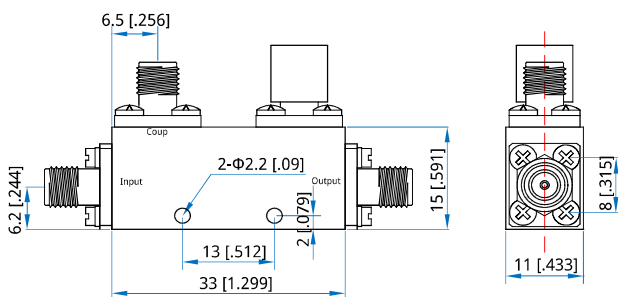
Size*1:	33*15*11mm 1.2995*0.591*0.433in
Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-4000-12000-50-6-S

Customization is available upon request.

NSDC-4000-16000-30-10-S

4~16GHz, 30W, 10dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	4~16GHz
Insertion Loss:	1.2dB max.
VSWR:	1.5 max.
Directivity:	12dB min.
Coupling:	10±1.2dB
Average Power:	30W
Impedance:	50Ω

Mechanical

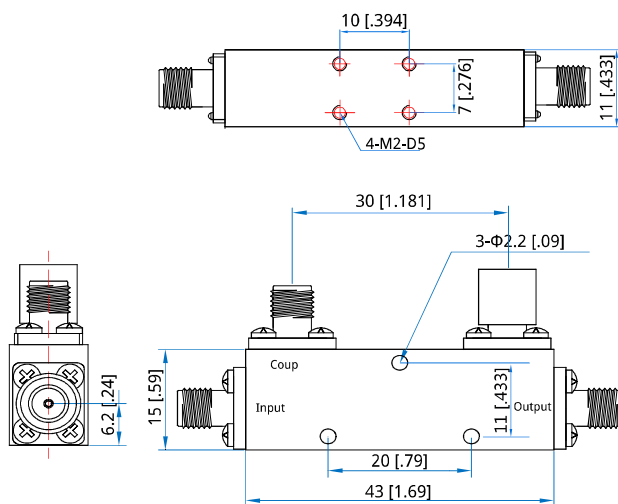
Size*1:	43*15*11mm 1.693*0.591*0.433in
Connectors:	SMA Female
Mounting:	3-Φ2.2mm through-hole 4-M2,depth 5mm

[1] Exclude connectors and terminations.

Environmental

Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]
Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-4000-16000-30-10-S

Customization is available upon request.

NSDC-4000-18000-20

4~18GHz, 20W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	4~18GHz
Insertion Loss:	1dB max.
Coupling:	10±1, 20±1, 30±1dB
Coupling Flatness:	±1dB max.
Directivity:	12dB min. (10, 20dB) 10dB min. (30dB)
VSWR:	1.5 max.
Average Power:	20W max.

Mechanical

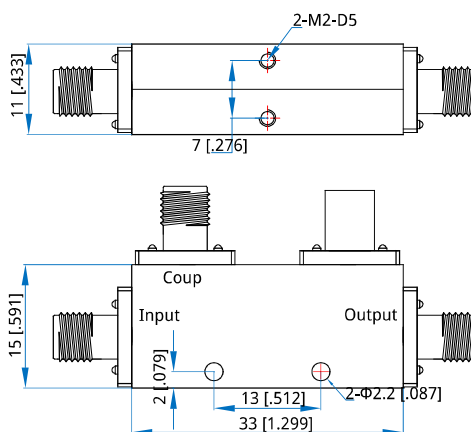
Size*1:	33*15*11mm 1.299*0.591*0.433in
Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-4000-18000-20-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 4~18GHz, 20W, 10dB, SMA, specify NSDC-4000-18000-20-10-S.

Customization is available upon request.

NSDC-4000-30000-30-20-K

4~30GHz, 30W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	4~30GHz
Insertion Loss:	1.5dB max.
Coupling:	20±1dB
Coupling Flatness:	±0.8dB
Directivity:	12dB min.
VSWR:	1.6 max.
Impedance:	50Ω
Average Power:	30W

Mechanical

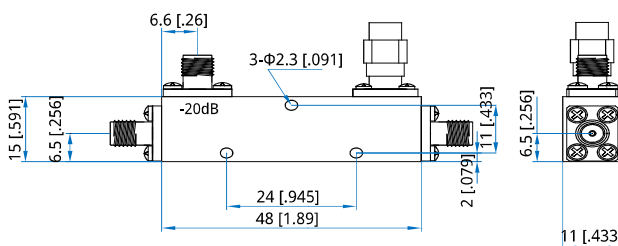
Size*1:	48*15*11mm 1.89*0.591*0.433in
Connectors:	2.92mm Female
Mounting:	3-Φ2.3mm through-hole

[1] Exclude connectors and terminations.

Environmental

Operation Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.04in]

How To Order

NSDC-4000-30000-30-20-K

Customization is available upon request.

NSDC-6000-18000-20-30-S

6~18GHz, 20W, 30dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	6~18GHz
Insertion Loss:	1dB max.
Coupling:	30±1dB
Coupling Flatness:	±1dB max.
Directivity:	10dB min.
VSWR:	1.5 max.
Average Power:	20W max.

Mechanical

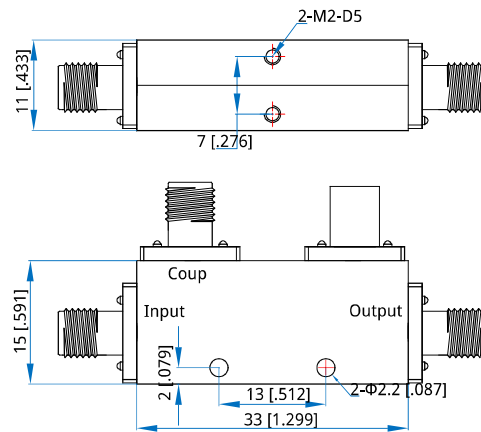
Size*1:	33*15*11mm 1.299*0.591*0.433in
Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-6000-18000-20-30-S

Customization is available upon request.

NSDC-6000-18000-30-20-S

6~18GHz, 30W, 20dB

Features:

- * Broadband
- * High Power
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

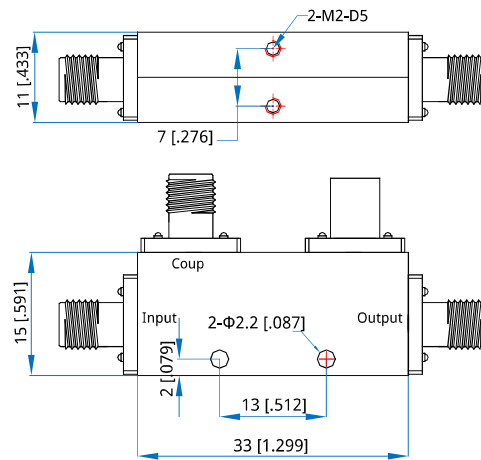
Frequency:	6~18GHz
Insertion Loss:	1.0dB max.
Coupling:	20±1.0dB
Directivity:	12dB min.
VSWR:	1.5 max.
Impedance:	50Ω
Average Power:	30W

Mechanical

Size*1:	33*15*11mm 1.299*0.591*0.433in
Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole 2-M2, depth 5mm

[1] Exclude connectors and terminations.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NSDC-6000-18000-30-20-S

Customization is available upon request.

NSDC-6000-18000-50

6~18GHz, 50W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	6~18GHz
Insertion Loss:	1.0dB max. (10dB) 0.6dB max. (20, 30dB)
VSWR:	1.5 max.
Directivity:	12dB min.
Coupling:	10±1, 20±1, 30±1dB
Coupling Flatness:	±1.0dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

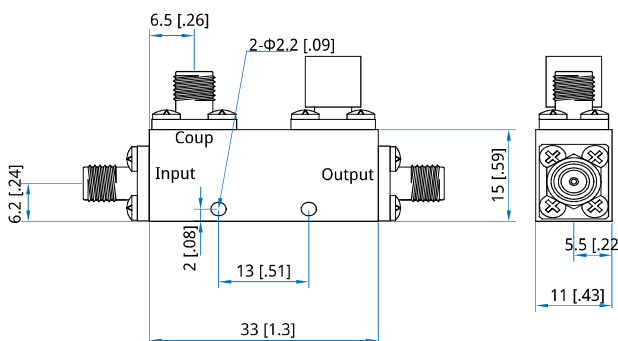
Size*1:	33*15*11mm 1.3*0.59*0.43in
Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-6000-18000-50-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 6~18GHz, 50W, 10dB, SMA, specify NSDC-6000-18000-50-10-S.

Customization is available upon request.

NSDC-6500-11500-20-20-S

6.5~11.5GHz, 20W, 20dB

Features:

- * Broadband
- * High Power
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

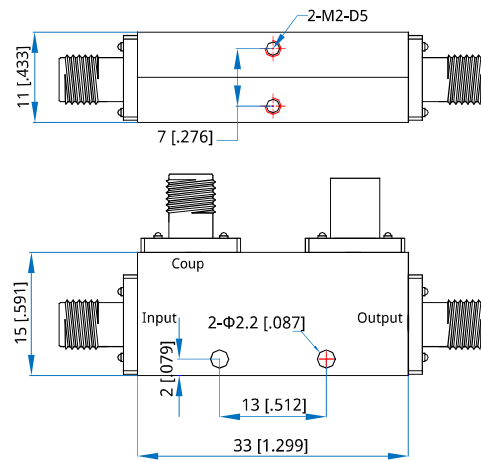
Frequency:	6.5~11.5GHz
Insertion Loss:	1dB max.
Coupling:	20±1dB
Directivity:	12dB min.
VSWR:	1.5 max.
Average Power:	20W

Mechanical

Size ^{*1} :	33*15*11mm 1.299*0.591*0.433in
Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole 2-M2, depth 5mm

[1] Exclude connectors and terminations.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NSDC-6500-115000-20-20-S

Customization is available upon request.

NSDC-7000-12400-30

7~12.4GHz, 30W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	7~12.4GHz
Insertion Loss:	1.2dB max.
Coupling:	10±1, 20±1dB
Directivity:	15dB min.
VSWR:	1.3 max.
Average Power:	30W max.
Impedance:	50Ω

Mechanical

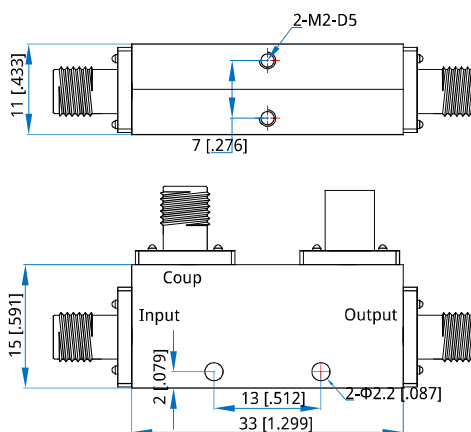
Size*1:	33*15*11mm 4.213*1.732*0.551in
Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole 2-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-30~+70°C
Non-operating Temperature:	-40~+80°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-7000-12400-30-X-Y

X: Coupling: 10, 20

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 7~12.4Hz, 30W, 10dB, SMA, specify NSDC-7000-12400-30-10-S.

Customization is available upon request.

NSDC-8000-8400-20

8~8.4GHz, 20W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	8~8.4GHz
Insertion Loss:	1dB max.
Coupling:	10±1dB, 20±1dB
Directivity:	12dB min.
VSWR:	1.6 max.
Average Power:	20W max.
Impedance:	50Ω

Mechanical

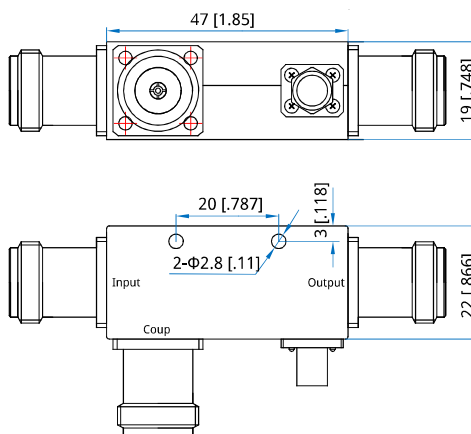
Size*1:	47*22*19mm 1.85*0.866*0.748in
Connectors:	N Female
Mounting:	2-Φ2.8mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-20~+70°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-8000-8400-20-X-Y

X: Coupling: 10, 20

Y: Connector type

Connector naming rules:

N - N Female

Examples:

To order a single directional coupler, 8~8.4GHz, 20W, 10dB, N, specify NSDC-8000-8400-20-10-N.

Customization is available upon request.

NSDC-8000-12000-40-15-S

8~12GHz, 40W, 15dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	8~12GHz
Insertion Loss:	0.8dB max.
Coupling:	15±1dB
Coupling Flatness:	±1dB max.
Directivity:	12dB min.
VSWR:	1.5 max.
Average Power:	40W max.

Mechanical

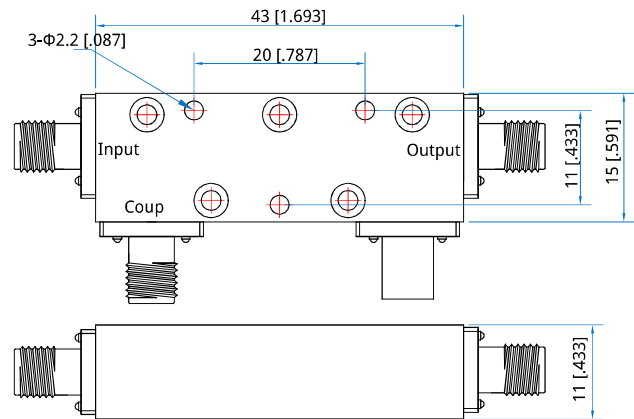
Size*1:	43*15*11mm 1.693*0.591*0.433in
Connectors:	SMA Female
Mounting:	3-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-8000-12000-40-15-S

Customization is available upon request.

NSDC-10750-12750-50-30-S

10.75~12.75GHz, 50W, 30dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	10.75~12.75GHz
Insertion Loss:	0.5dB max.
Coupling:	30±1.0dB
Coupling Flatness:	±1.0dB max.
VSWR:	1.4 max.
Directivity:	15dB min.
Impedance:	50Ω
Average Power:	50W

Mechanical

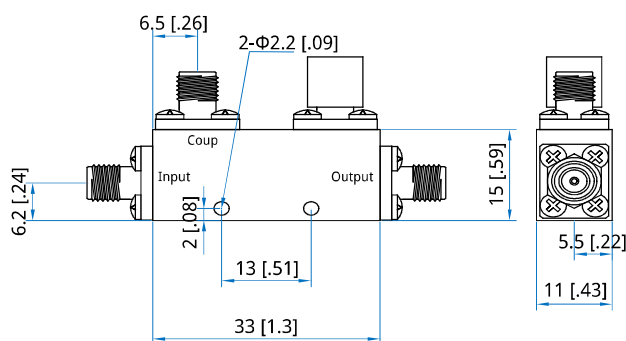
Size ^{*1} :	33*15*11mm 1.3*0.59*0.43in
Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-10750-12750-50-30-S

Customization is available upon request.

NSDC-12000-13000-10-6-S

12~13GHz, 10W, 6dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	12~13GHz
Insertion Loss:	0.8dB max.
Coupling:	6±1dB
Coupling Flatness:	±1dB max.
Directivity:	12dB min.
VSWR:	1.5 max.
Average Power:	10W max.

Mechanical

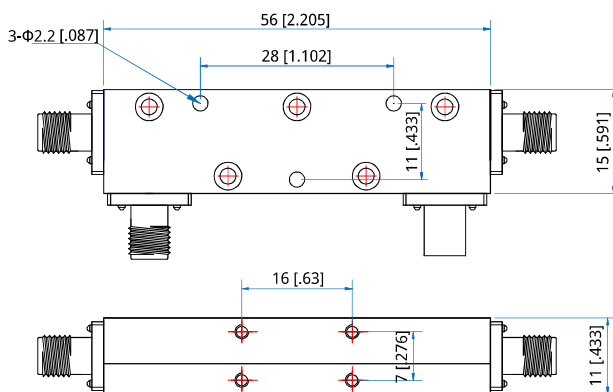
Size*1:	56*15*11mm 2.205*0.591*0.433in
Connectors:	SMA Female
Mounting:	3-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-40~+80°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-12000-13000-10-6-S

Customization is available upon request.

NSDC-12000-18000-50-30-S

12~18GHz, 50W, 30dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	12~18GHz
Insertion Loss:	1dB max.
Coupling:	30±1dB
Coupling Flatness:	±1dB max.
Directivity:	12dB min.
VSWR:	1.5 max.
Average Power:	50W max.

Mechanical

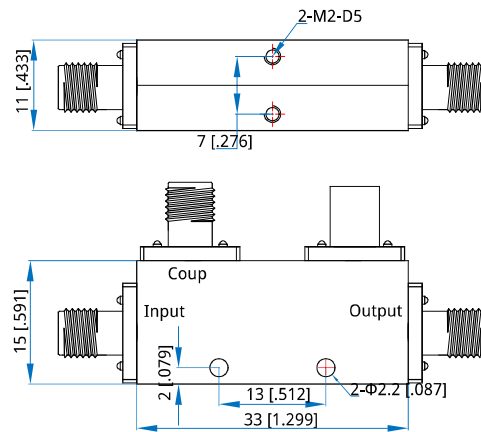
Size*1:	33*15*11mm 1.299*0.591*0.433in
Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

[NSDC-12000-18000-50-30-S](#)

Customization is available upon request.

NSDC-12400-18000-50

12.4~18GHz, 50W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	12.4~18GHz
Insertion Loss:	0.8dB max.
VSWR:	1.4 max.
Directivity:	12dB min.
Coupling:	10±1, 20±1dB
Coupling Flatness:	±1.0dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

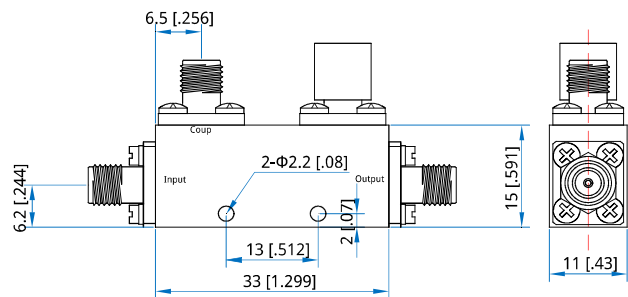
Size*1:	33*15*11mm 1.299*0.591*0.43in
Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-12400-18000-50-X-Y

X: Coupling: 10, 20

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 12.4~18GHz, 50W, 10dB, SMA, specify NSDC-12400-18000-50-10.

Customization is available upon request.

NSDC-14000-15000-50

14~15GHz, 50W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	14~15GHz
Insertion Loss:	0.6dB max.
VSWR:	1.4 max.
Directivity:	15dB min.
Coupling:	10±1, 20±1dB
Coupling Flatness:	±1.0dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

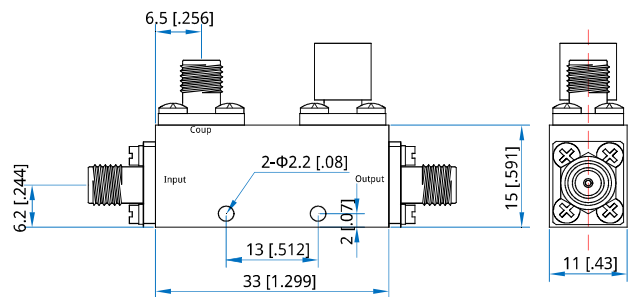
Size*1:	33*15*11mm 1.299*0.591*0.43in
Connectors:	SMA Female
Mounting:	2-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-14000-15000-50-X-Y

X: Coupling: 10, 20

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 14~15GHz, 50W, 10dB, SMA, specify NSDC-14000-15000-50-10-S.

Customization is available upon request.

NSDC-18000-31000-30-20-K

18~31GHz, 30W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	18~31GHz
Insertion Loss:	1.4dB max.
VSWR:	1.6 max.
Directivity:	12dB min.
Coupling:	20±1dB
Coupling Flatness:	±1.0dB
Impedance:	50Ω
Average Power:	30W

Mechanical

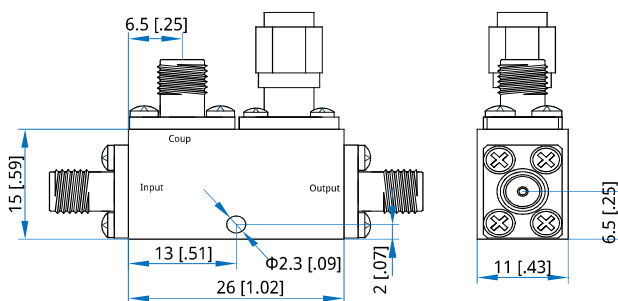
Size*1:	26*15*11mm 1.02*0.59*0.43in
Connectors:	2.92mm Female
Mounting:	Φ2.3mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-18000-31000-30-20-K

Customization is available upon request.

NSDC-18000-40000-20

18~40GHz, 20W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	18~40GHz
Insertion Loss:	1.6dB max.
VSWR:	1.6 max.
Directivity:	10dB min.
Coupling:	10±1, 20±1, 30±1dB
Coupling Flatness:	±1.0dB
Impedance:	50Ω
Average Power:	20W

Mechanical

Connectors:	2.92mm Female
Mounting:	Φ2.3mm through-hole

Environmental

Temperature:	-45~+85°C
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How To Order

NSDC-18000-40000-20-X-Y

X: Coupling: 10, 20, 30

10, 20dB - Outline A

30dB - Outline B

Y: Connector type

Connector naming rules:

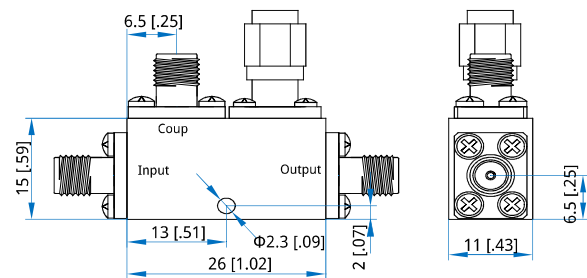
K - 2.92mm Female

Examples:

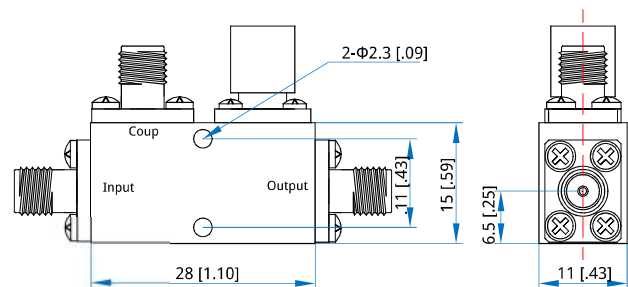
To order a single directional coupler, 18~40GHz, 20W, 10dB, 2.92mm female, specify NSDC-18000-40000-20-10-K.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NSDC-20000-50000-10

20~50GHz, 10W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	20~50GHz
Insertion Loss:	1.8dB max. (10dB) 1.6dB max. (20dB) 1.2dB max. (30dB)
VSWR:	1.9 max.
Directivity:	10dB min. (10, 20dB) 8dB min. (30dB)
Coupling:	10±1.2, 20±1.2, 30±1.2dB
Coupling Flatness:	±1dB
Impedance:	50Ω
Average Power:	10W

Mechanical

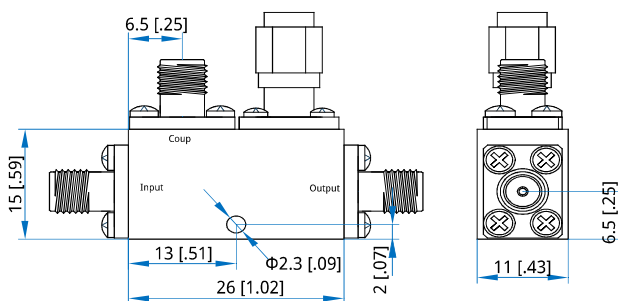
Size*1:	26*15*11mm 1.02*0.59*0.43in
Connectors:	2.4mm Female
Mounting:	Φ2.3mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-20000-50000-10-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

2 - 2.4mm Female

Examples:

To order a single directional coupler, 20~50GHz, 10W, 10dB, 2.4mm Female, specify NSDC-20000-50000-10-10-2.

Customization is available upon request.

NSDC-26000-30000-20-20-K

26~30GHz, 20W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	26~30GHz
Insertion Loss:	1.4dB max.
VSWR:	1.6 max.
Directivity:	12dB min.
Coupling:	20±1dB
Coupling Flatness:	±1.0dB max.
Impedance:	50Ω
Average Power:	20W

Mechanical

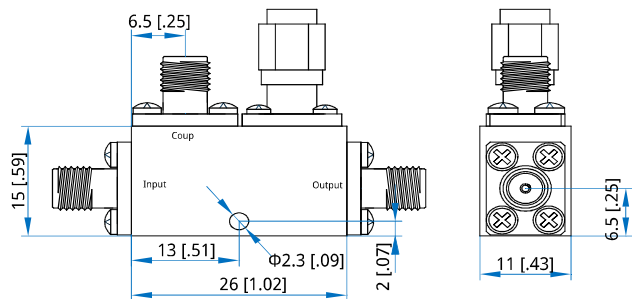
Size*1:	26*15*11mm 1.02*0.59*0.43in
Connectors:	2.92mm Female
Mounting:	Φ2.3mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
--------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-26000-30000-20-20-K

Customization is available upon request.

NSDC-0.01-250-K6-50-NS

0.01~250MHz, 600W, 50dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.01~250MHz
Insertion Loss:	0.4dB max.
Coupling:	50±1dB
Coupling Flatness:	±0.75dB max.
Directivity:	20dB min.
VSWR:	1.25 max.
Average Power:	600W

Mechanical

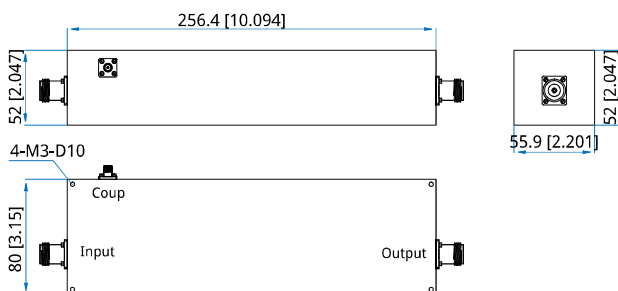
Size*1:	256.4*52*80mm 10.094*2.047*3.15in
Connectors:	N Female, SMA Female
Mounting:	4-M3, depth 10mm

[1] Exclude connectors and terminations.

Environmental

Temperature:	-40~+85°C
--------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-0.01-250-K6-50-NS

Customization is available upon request.

NSDC-80-1000-K6-60-NS

80~1000MHz, 600W, 60dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	80~1000MHz
Insertion Loss:	0.4dB max.
Coupling:	60±1dB
Coupling Flatness:	±0.5dB max.
Directivity:	20dB min.
VSWR:	1.2 max.
Average Power:	600W

Mechanical

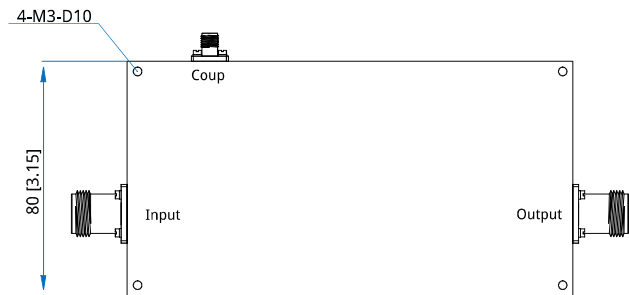
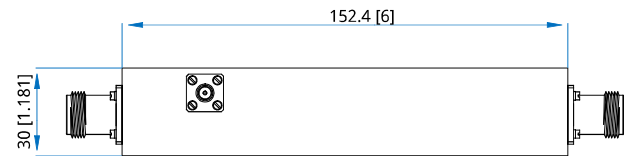
Size*1:	152.4*30*80mm 6*1.181*3.15in
Connectors:	N Female, SMA Female
Mounting:	4-M3, depth 10mm

[1] Exclude connectors and terminations.

Environmental

Temperature:	-40~+85°C
--------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-80-1000-K6-60-NS

Customization is available upon request.

NSDC-100-110-10-10-S

0.1~0.11GHz, 10W, 10dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.1~0.11GHz
Insertion Loss:	1dB max.
Coupling:	10±1dB
Coupling Flatness:	±1dB max.
Directivity:	20dB min.
VSWR:	1.2 max.
Average Power:	10W max.

Mechanical

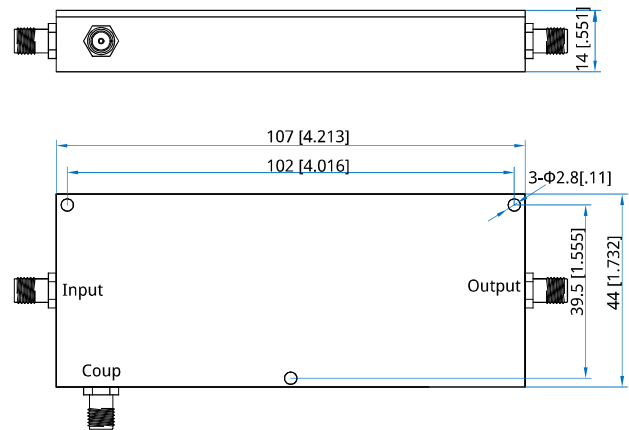
Size*1:	107*44*14mm 4.213*1.732*0.551in
Connectors:	SMA Female
Mounting:	3-Φ2.8mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-40~+70°C
--------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-100-110-10-10-S

Customization is available upon request.

NSDC-100-700-10-10-S

0.1~0.7GHz, 10W, 10dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.1~0.7GHz
Insertion Loss:	0.9dB max.
Coupling:	10±2dB
Coupling Flatness:	±2dB max.
Directivity:	12dB min.
VSWR:	1.3 max.
Average Power:	10W max.

Mechanical

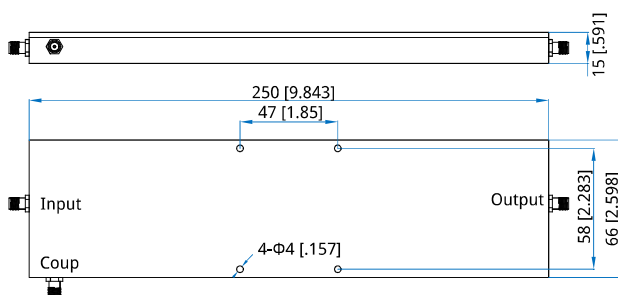
Size*1:	250*66*15mm 9.843*2.598*0.591in
Connectors:	SMA Female
Mounting:	4-Φ4mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-40~+70°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-100-700-10-10-S

Customization is available upon request.



Single Directional Coupler

NSDC-130-470-50-6-S

0.13~0.47GHz, 50W, 6dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.13~0.47GHz
Insertion Loss:	0.7dB max.
VSWR:	1.25 max.
Directivity:	20dB min.
Coupling:	6±1.2dB
Coupling Flatness:	±1.2dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

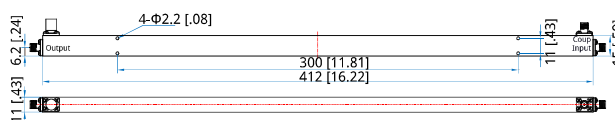
Size*1:	412*15*11mm 4.45*0.67*0.5in
Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
--------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

[NSDC-130-470-50-6-S](#)

Customization is available upon request.

NSDC-200-2000-50-30-S

0.2~2GHz, 50W, 30dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.2~2GHz
Insertion Loss:	0.8dB max.
Coupling:	30±1.5dB
Coupling Flatness:	±1.5dB max.
Directivity:	15dB min.
VSWR:	1.3 max.
Average Power:	50W max.

Mechanical

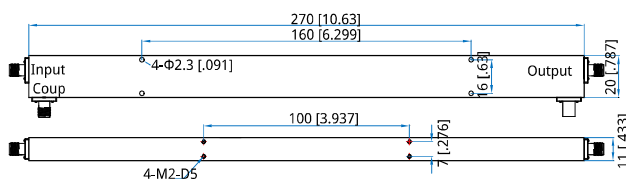
Size*1:	270*20*11mm 10.630*0.787*0.433in
Connectors:	SMA Female
Mounting:	4-Φ2.3mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
--------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-200-2000-50-30-S

Customization is available upon request.

NSDC-300-800-50-30-S

0.3~0.8GHz, 50W, 30dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.3~0.8GHz
Insertion Loss:	0.3dB max.
VSWR:	1.2 max.
Directivity:	10dB min.
Coupling:	30±1dB
Impedance:	50Ω
Average Power:	50W

Mechanical

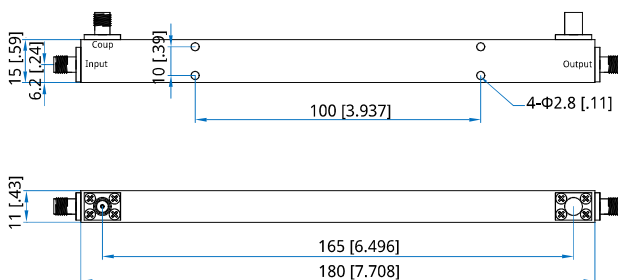
Size*1:	180*15*11mm 7.708*0.59*0.43in
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-300-800-50-30-S

Customization is available upon request.

NSDC-300-2400-30

0.3~2.4GHz, 30W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.3~2.4GHz
Insertion Loss:	1dB max.
Coupling:	10, 20, 30dB
Coupling Flatness:	$\pm 3.5\text{dB}@0.3\sim 0.5\text{GHz}$ $\pm 1\text{dB}@0.51\sim 2.4\text{GHz}$
Directivity:	18dB min.
VSWR:	1.3 max.
Average Power:	30W
Impedance:	50 Ω

Mechanical

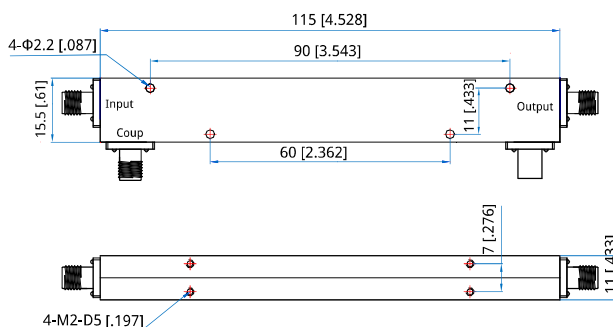
Size*1:	115*15.5*11mm 4.528*0.61*0.433in
Connectors:	SMA Female
Mounting:	4- $\Phi 2.2\text{mm}$ through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-30~+70°C
Non-operating Temperature:	-40~+80°C

Outline Drawings



Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

How To Order

NSDC-300-2400-30-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 0.3~2.4GHz, 30W, 10dB, SMA, specify NSDC-300-2400-30-10-S.

Customization is available upon request.

NSDC-400-2700-K4-40-N

0.4~2.7GHz, 400W, 40dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.4~2.7GHz
Insertion Loss:	0.4dB max.
Coupling:	40±1.2dB
Directivity:	20dB min.
VSWR:	1.2 max.
Average Power:	400W max.
Peak Power*1:	4KW

[1] Pulse width: 5us, duty cycle: 1%.

Mechanical

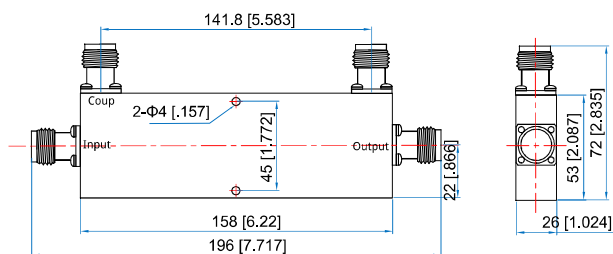
Size*2:	158*53*26mm 6.220*2.087*1.024in
Weight:	680g
Connectors:	N Female
Mounting:	2-Φ4mm through-hole

[2] Exclude connectors and terminations.

Environmental

Operating Temperature:	-10~+50°C
Non-operating Temperature:	-40~+70°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-400-2700-K4-40-N

Customization is available upon request.

NSDC-400-3000-10-20-S

0.4~3GHz, 10W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.4~3GHz
Insertion Loss:	0.5dB max.
Coupling:	20±1dB
Coupling Flatness:	±1dB max.
Directivity:	20dB min.
VSWR:	1.3 max.
Average Power:	10W max.

Mechanical

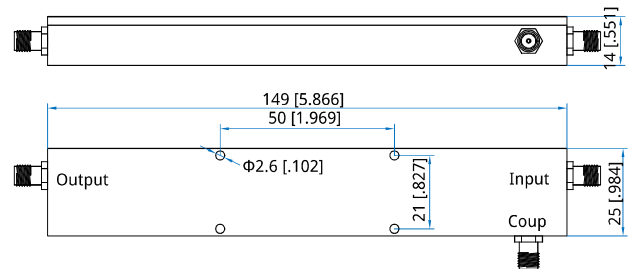
Size*1:	149*25*14mm 5.866*0.984*0.551in
Connectors:	SMA Female
Mounting:	4-Φ2.6mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

[NSDC-400-3000-10-20-S](#)

Customization is available upon request.

NSDC-400-3900-K1-20-N

0.4~3.9GHz, 100W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.4~3.9GHz
Insertion Loss:	0.5dB max.
Coupling:	20±2dB
Coupling Flatness:	±1dB max.
Directivity:	17dB min.
VSWR:	1.2 max.
Average Power:	100W max.

Mechanical

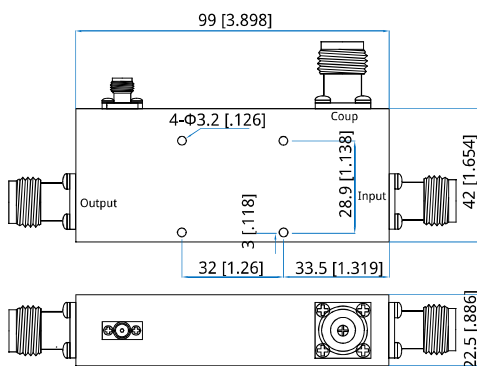
Size*1:	99*42*22.5mm 3.898*1.654*0.886in
Connectors:	N Female, SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-40~+70°C
------------------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-400-3900-K1-20-N

Customization is available upon request.

NSDC-400-18000-50

0.4~18GHz, 50W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.4~18GHz
Insertion Loss:	1.5dB max.
VSWR:	1.8 max. @400~500MHz
	1.6 max. @500~18000MHz
Directivity:	10dB min.
Coupling:	10±1.5, 20±1.5dB
Coupling Flatness:	±1.0dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

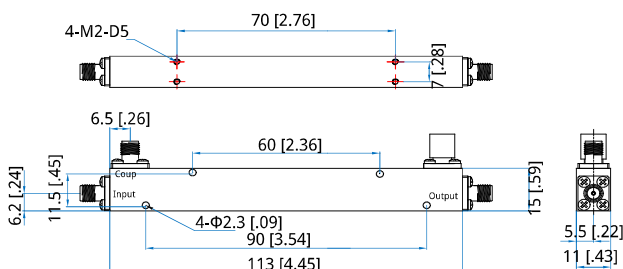
Size*1:	113*15*11mm
	4.45*0.59*0.43in
Connectors:	SMA Female
Mounting:	4-Φ2.3mm through-hole
	4-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
--------------	-----------

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-400-18000-50-X-Y

X: Coupling: 10, 20

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 0.4~18GHz, 50W, 10dB, SMA, specify NSDC-400-18000-50-10-S.

Customization is available upon request.

NSDC-400-20000-10-20-S

0.4~20GHz, 10W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

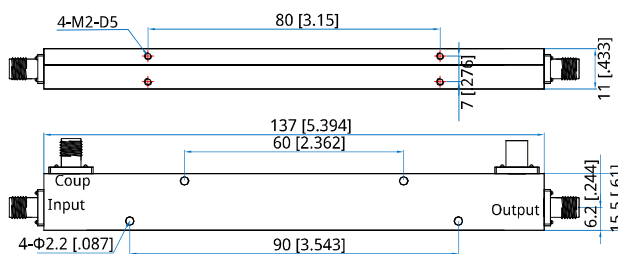
Frequency:	0.4~20GHz
Insertion Loss:	1.5dB max.
Coupling:	20±1.5dB
Directivity:	10dB min.@0.4~16GHz 8dB min.@16.1~20GHz
VSWR:	1.5 max.
Impedance:	50Ω
Average Power:	10W

Mechanical

Size*1:	137*15.5*11mm 5.394*0.61*0.433in
Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

[NSDC-400-20000-10-20-S](#)

Customization is available upon request.

NSDC-450-2500-50-6-S

0.45~2.5GHz, 50W, 6dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.45~2.5GHz
Insertion Loss:	0.8dB max.
VSWR:	1.2 max.
Directivity:	18dB min.
Coupling:	6±1dB
Coupling Flatness:	±1dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

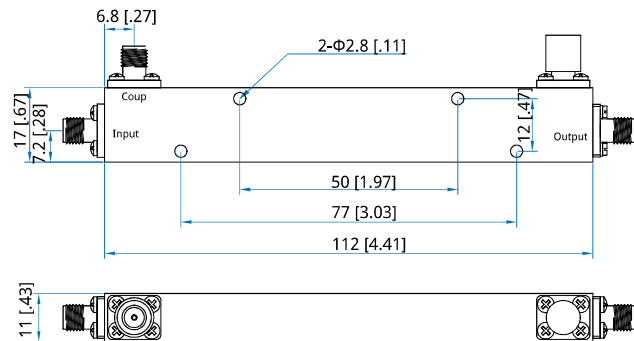
Size*1:	112*17*11mm 4.41*0.67*0.43in
Connectors:	SMA Female
Mounting:	2-Φ2.8mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-450-2500-50-6-S

Customization is available upon request.

NSDC-450-6000-30

0.45~6GHz, 30W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.45~6GHz
Insertion Loss:	1.2dB max.
Coupling:	10, 20, 30dB
Coupling Flatness:	±1.2dB max.
Directivity:	12dB min.
VSWR:	1.5 max.
Average Power:	30W max.

Mechanical

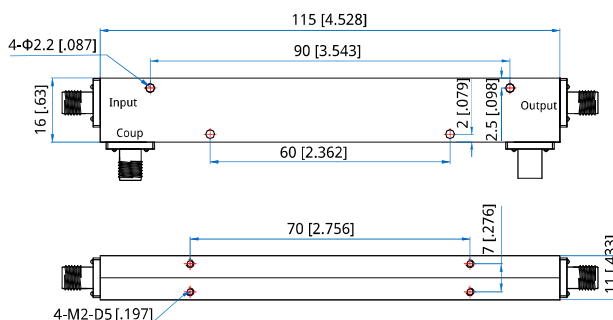
Size ^{*1} :	115*16*11mm 4.528*0.63*0.433in
Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-30~+70°C
Non-operating Temperature:	-40~+80°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-450-6000-30-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 0.45~6GHz, 30W, 10dB, SMA, specify NSDC-450-6000-30-10-S.

Customization is available upon request.

NSDC-500-1000-30

0.5~1GHz, 30W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.5~1GHz
Insertion Loss:	0.4dB max.
Coupling:	10, 20, 30dB
Directivity:	20dB min.
VSWR:	1.3 max.
Average Power:	30W
Impedance:	50Ω

Mechanical

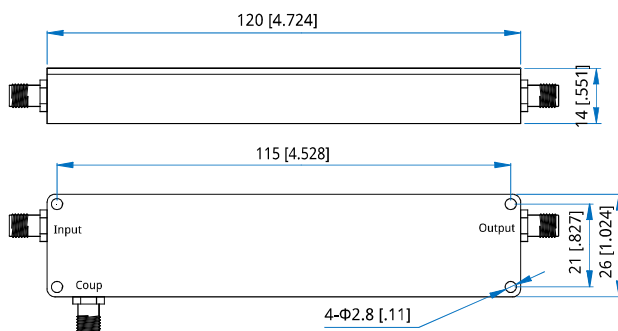
Size*1:	120*26*14mm 4.724*1.024*0.551in
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-30~+70°C
Non-operating Temperature:	-40~+80°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-500-1000-30-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 0.5~1GHz, 30W, 10dB, SMA, specify NSDC-500-1000-30-10-S.

Customization is available upon request.

NSDC-500-2000-10-15-S

0.5~2GHz, 10W, 15dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

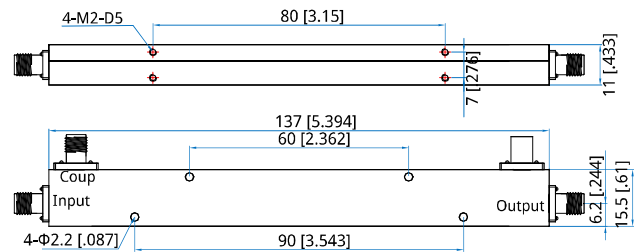
Frequency:	0.5~2GHz
Insertion Loss:	1dB max.
Coupling:	15±1dB
Directivity:	18dB min.
VSWR:	1.3 max.
Impedance:	50Ω
Average Power:	10W

Mechanical

Size*1:	137*15.5*11mm 5.394*0.61*0.433in
Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NSDC-500-2000-10-15-S

Customization is available upon request.

NSDC-500-2000-30

0.5~2GHz, 30W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.5~2GHz
Insertion Loss:	0.8dB max. (10dB) 0.4dB max. (20dB) 0.3dB max. (30dB)
Coupling:	10, 20, 30dB
Coupling Flatness:	±1dB
Directivity:	20dB min.
VSWR:	1.25 max.
Average Power:	30W
Impedance:	50Ω

Mechanical

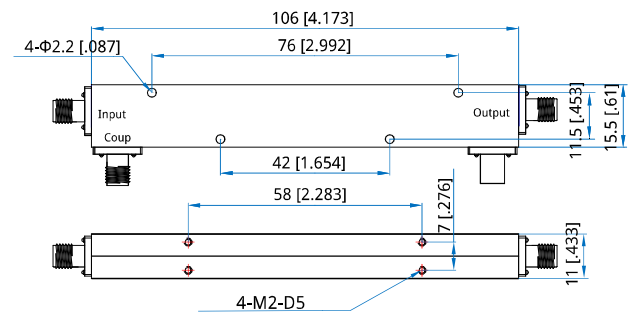
Size*1:	106*15.5*11mm 4.173*0.453*0.433in
Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-30~+70°C
Non-operating Temperature:	-40~+80°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-500-2000-30-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 0.5~2GHz, 30W, 10dB, SMA, specify NSDC-500-2000-30-10-S.

Customization is available upon request.

NSDC-500-6000-50-20-S

0.5~6GHz, 50W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.5~6GHz
Insertion Loss:	0.6dB max.
VSWR:	1.25 max.
Directivity:	18dB min.
Coupling:	20±1dB
Coupling Flatness:	±1.0dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

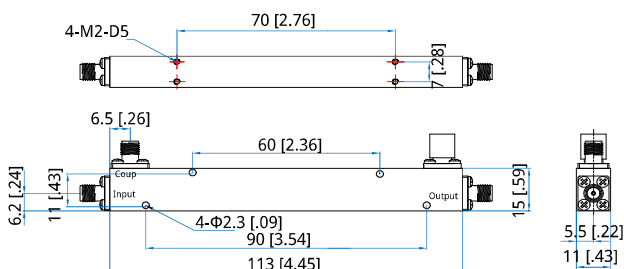
Size*1:	113*15*11mm 4.45*0.59*0.43in
Connectors:	SMA Female
Mounting:	4-Φ2.3mm through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-500-6000-50-20-S

Customization is available upon request.

NSDC-500-8000-30

0.5~8GHz, 30W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.5~8GHz
Insertion Loss:	1.2dB max. (10dB) 1dB max. (20, 30dB)
Coupling:	10, 20, 30dB
Coupling Flatness:	±1dB max.
Directivity:	15dB min.
VSWR:	1.4 max.
Average Power:	30W
Impedance:	50Ω

Mechanical

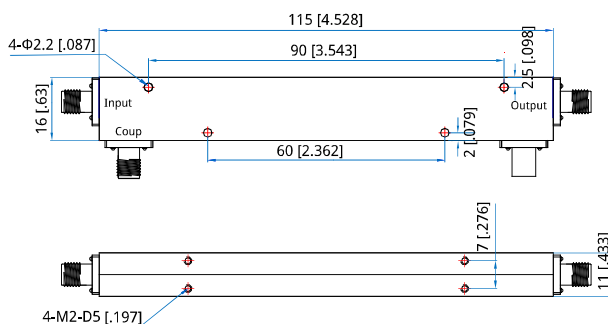
Size*1:	115*16*11mm 4.528*0.63*0.433in
Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-30~+70°C
Non-operating Temperature:	-40~+80°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-500-8000-30-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 0.5~8GHz, 30W, 10dB, SMA, specify NSDC-500-8000-30-10-S.

Customization is available upon request.

NSDC-500-8000-50-10-S

0.5~8GHz, 50W, 10dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.5~8GHz
Insertion Loss:	1.2dB max.
VSWR:	1.4 max.
Directivity:	15dB min.
Coupling:	10±1dB
Coupling Flatness:	±1.0dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

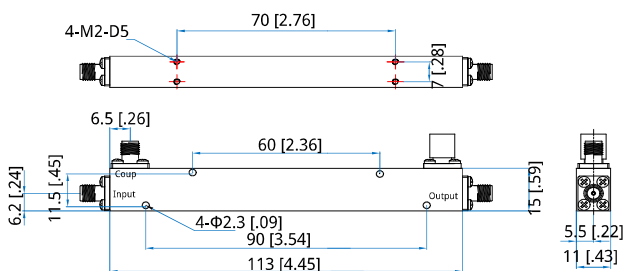
Size*1:	113*15*11mm 4.45*0.59*0.43in
Connectors:	SMA Female
Mounting:	4-Φ2.3mm through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

[NSDC-500-8000-50-10-S](#)

Customization is available upon request.

NSDC-500-18000-20-20-S

0.5~18GHz, 20W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.5~18GHz
Insertion Loss:	2dB max.
Coupling:	20±1.5dB
Coupling Flatness:	±1.5dB max.
Directivity:	10dB min.
VSWR:	1.7 max.
Average Power:	20W max.

Mechanical

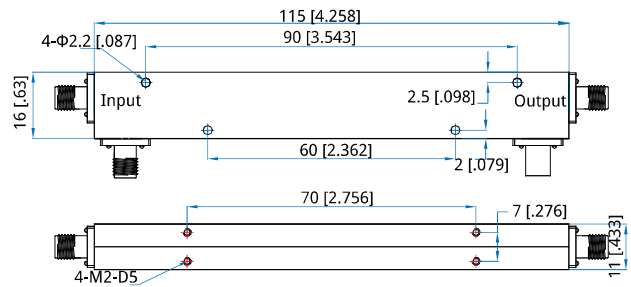
Size*1:	115*16*11mm 4.528*0.630*0.433in
Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-500-18000-20-20-S

Customization is available upon request.

NSDC-500-18000-30

0.5~18GHz, 30W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.5~18GHz
Insertion Loss:	1.8dB max.
Coupling:	10, 20, 30dB
Coupling Flatness:	±1.5dB max.
Directivity*1:	10dB min.
VSWR:	1.7 max.
Average Power:	30W max.

[1] 8dB min. @16~18GHz for 30dB coupling.

Mechanical

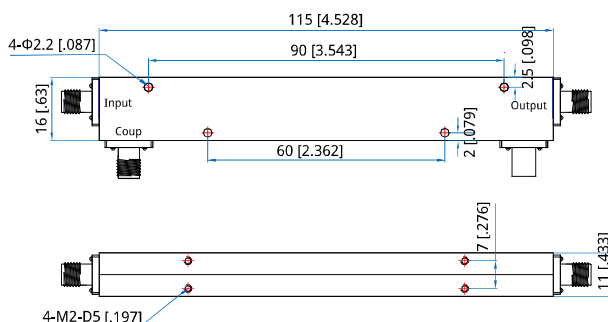
Size*2:	115*16*11mm 4.528*0.63*0.433in
Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole 4-M2, depth 5mm

[2] Exclude connectors and terminations.

Environmental

Operating Temperature:	-30~+70°C
Non-operating Temperature:	-40~+80°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-500-18000-30-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 0.5~18GHz, 30W, 10dB, SMA, specify NSDC-500-18000-30-10-S.

Customization is available upon request.

NSDC-500-18000-50-20-N

0.5~18GHz, 50W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

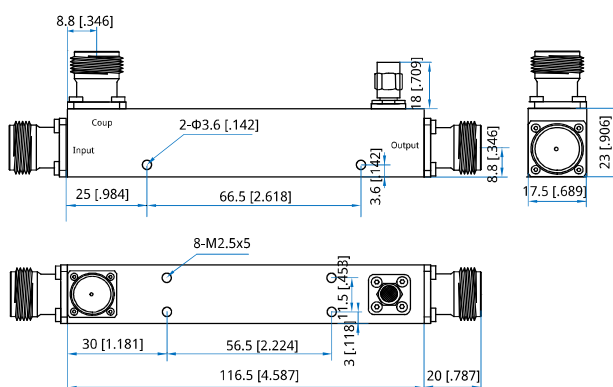
Frequency:	0.5~18GHz
Insertion Loss:	1.0dB max.
Coupling:	20±0.6dB
Coupling Flatness:	±0.7dB max.
Directivity:	15dB min.
VSWR:	1.4 max.
Average Power:	50W max.

Mechanical

Size ^{*1} :	116.5*17.5*23mm 4.587*.689*.906in
Connectors:	N Female
Mounting:	2-Φ3.6mm through-hole 8-M2.5*5mm

[1] Exclude connectors and terminations.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-500-18000-50-20-N

Customization is available upon request.

NSDC-600-6000-50

0.6~6GHz, 50W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.6~6GHz
Insertion Loss:	1.0dB max. (10dB) 0.5dB max. (30dB)
VSWR:	1.3 max.
Directivity:	15dB min.
Coupling:	10±1, 30±1dB
Coupling Flatness:	±1.0dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole (10dB) 4-Φ2.3mm through-hole (30dB)

Environmental

Temperature:	-45~+85°C
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How To Order

NSDC-600-6000-50-X-Y

X: Coupling: 10, 30

10dB - Outline A

30dB - Outline B

Y: Connector type

Connector naming rules:

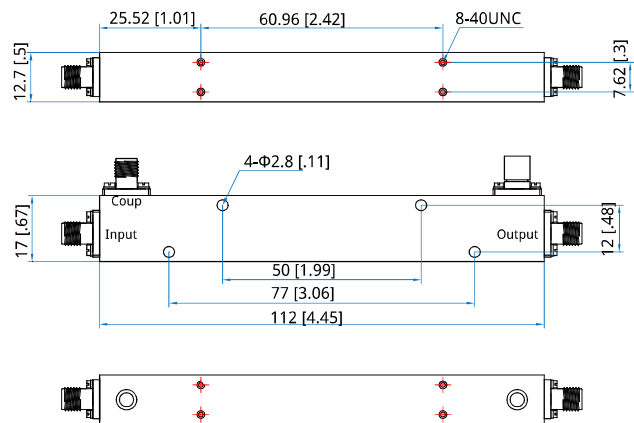
S - SMA Female (Outline A, Outline B)

Examples:

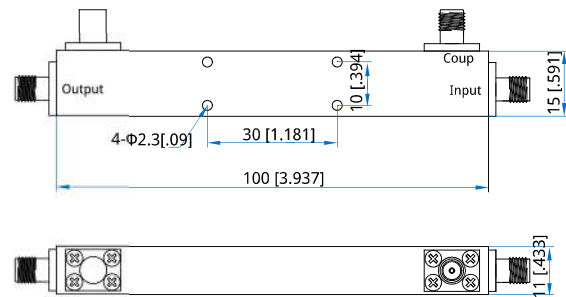
To order a single directional coupler, 0.6~6GHz, 50W, 10dB, SMA, specify NSDC-600-6000-50-10-S.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NSDC-700-6000-50-20-N

0.7~6GHz, 50W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.7~6GHz
Insertion Loss:	0.7dB max.
VSWR:	1.3 max.
Directivity:	16dB min.
Coupling:	20±1dB
Coupling Flatness:	±1.0dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

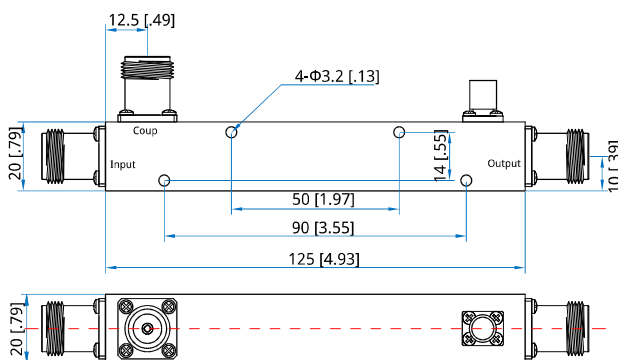
Size*1:	125*20*20mm 4.93*0.79*0.79in
Connectors:	N Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-700-6000-50-20-N

Customization is available upon request.

NSDC-800-2500-K2-20-N

0.8~2.5GHz, 200W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.8~2.5GHz
Insertion Loss:	0.3dB max.
Coupling:	20±1dB
Directivity:	18dB min.
VSWR (Main Line):	1.25 max.
Average Power:	200W
Impedance:	50Ω

Mechanical

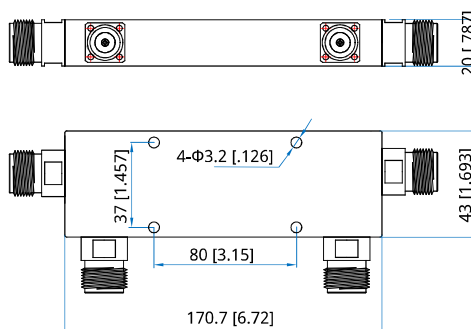
Size*1:	170.7*43*20mm 6.72*1.693*0.787in
Connectors:	N Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-40~+70°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-800-2500-K2-20-N

Customization is available upon request.

NSDC-800-2700-50-10-S

0.8~2.7GHz, 50W, 10dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	0.8~2.7GHz
Insertion Loss:	1.0dB max.
VSWR:	1.2 max.
Directivity:	18dB min.
Coupling:	10±1dB
Coupling Flatness:	±1.0dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

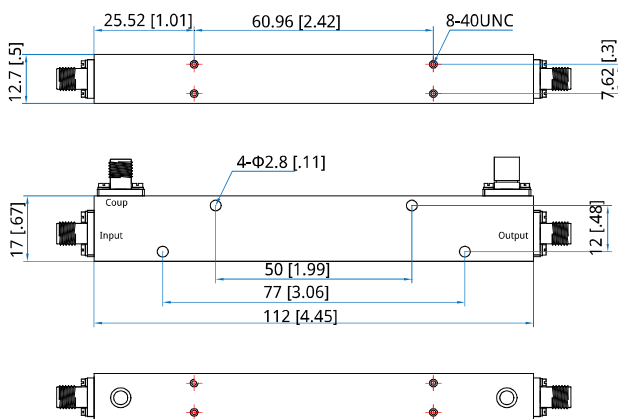
Size ^{*1} :	112*17*12.7mm 4.45*0.67*0.5in
Connectors:	SMA Female
Mounting:	4-Φ2.8mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-800-2700-50-10-S

Customization is available upon request.

NSDC-1000-4000-20-10-S

1~4GHz, 20W, 10dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	1~4GHz
Insertion Loss:	0.6dB max.
Coupling:	10±1dB
Coupling Flatness:	±1dB max.
Directivity:	20dB min.
VSWR:	1.3 max.
Average Power:	20W max.

Mechanical

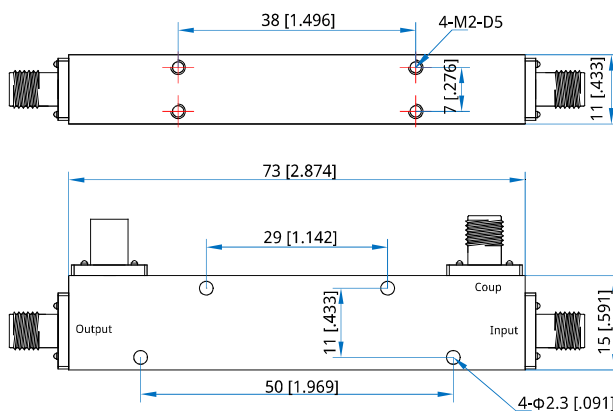
Size*1:	73*15*11mm 2.874*0.591*0.433in
Connectors:	SMA Female
Mounting:	4-Φ2.3mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

[NSDC-1000-4000-20-10-S](#)

Customization is available upon request.

NSDC-1000-4000-30

1~4GHz, 30W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	1~4GHz
Insertion Loss:	1dB max. 0.5dB max. (30dB)
Coupling:	10, 20, 30dB
Coupling Flatness:	±1dB
Directivity:	20dB min.
VSWR:	1.3 max.
Average Power:	30W
Impedance:	50Ω

Mechanical

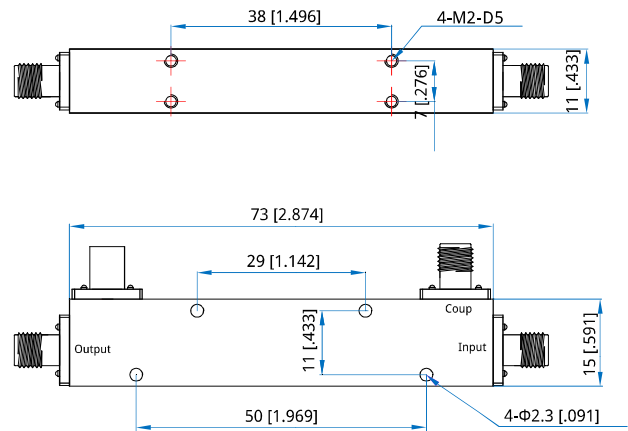
Size*1:	73*15*11mm 2.874*0.591*0.433in
Connectors:	SMA Female
Mounting:	4-Φ2.3mm through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-30~+70°C
Non-operating Temperature:	-40~+80°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-1000-4000-30-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 1~4GHz, 30W, 10dB, SMA, specify NSDC-1000-4000-30-10-S.

Customization is available upon request.

NSDC-1000-4000-50

1~4GHz, 50W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	1~4GHz
Insertion Loss:	0.8dB max. (10dB) 0.4dB max. (20dB)
VSWR:	1.3 max.
Directivity:	20dB min.
Coupling:	10±1, 20±1dB
Coupling Flatness:	±0.8dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

Mounting:	4-Φ2.3mm through-hole (10dB) 4-Φ3.2mm through-hole (20dB)
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Environmental

Temperature:	-45~+85°C
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How To Order

NSDC-1000-4000-50-X-Y

X: Coupling: 10, 20

10dB - Outline A

20dB - Outline B

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

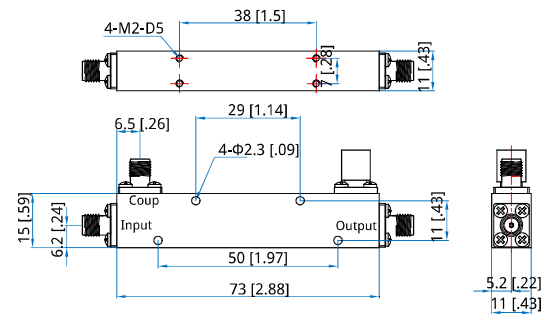
N - N Female (Outline B)

Examples:

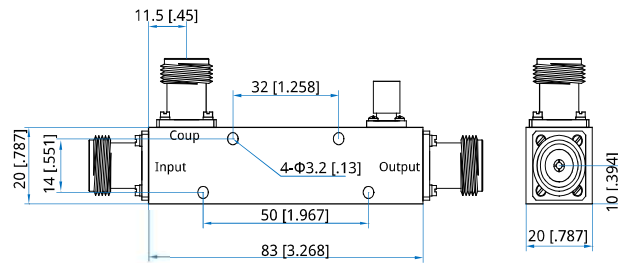
To order a single directional coupler, 1~4GHz, 50W, 10dB, SMA, specify NSDC-1000-4000-50-10-S.

Customization is available upon request.

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NSDC-1000-6000-K1-10-N

1~6GHz, 100W, 10dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	1~6GHz
Insertion Loss:	0.7dB max.
VSWR:	1.4 max.
Directivity:	10dB min.
Coupling:	10±0.8dB
Coupling Flatness:	±0.8dB max.
Impedance:	50Ω
Average Power:	100W

Mechanical

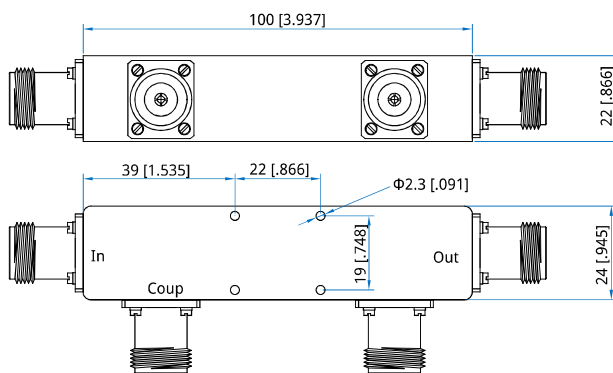
Size ^{*1} :	100*24*22mm 3.937*0.945*0.866in
Connectors:	N Female
Mounting:	Φ2.3mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-40~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-1000-6000-K1-10-N

Customization is available upon request.

NSDC-1000-18000-30

1~18GHz, 30W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	1~18GHz
Insertion Loss:	1.5dB max.
Coupling:	10, 20, 30dB
Coupling Flatness:	±1dB max.
Directivity:	10dB min.
VSWR:	1.6 max.
Average Power:	30W max.
Impedance:	50Ω

Mechanical

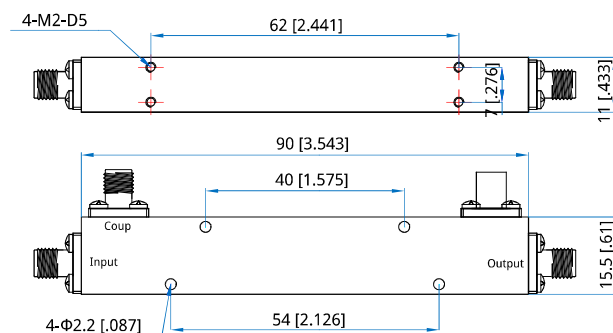
Size*1:	90*15.5*11mm 3.543*0.61*0.433in
Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-30~+70°C
Non-operating Temperature:	-40~+80°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-1000-18000-30-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 1~18GHz, 30W, 10dB, SMA, specify NSDC-1000-18000-30-10-S.

Customization is available upon request.

NSDC-1000-40000-30-20-K

1~40GHz, 30W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	1~40GHz
Insertion Loss:	2.8dB max.
VSWR:	1.7 max.
Directivity:	10dB min.
Coupling:	20±1.2dB
Coupling Flatness:	±1.0dB
Impedance:	50Ω
Average Power:	30W

Mechanical

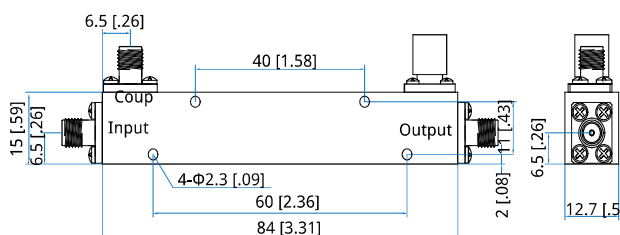
Size*1:	84*15*12.7mm 3.31*0.59*0.5in
Connectors:	2.92mm Female
Mounting:	4-Φ2.3mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-1000-40000-30-20-K

Customization is available upon request.

NSDC-1000-44000-1-10-2

1~44GHz, 1W, 10dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	1~44GHz
Coupling:	10dB typ.
Insertion Loss:	2.5dB typ.
Coupling Flatness:	±2.0dB typ.
Directivity:	10dB typ.
VSWR:	2.0 typ.
Average Power:	1W max.
Impedance:	50Ω

Mechanical

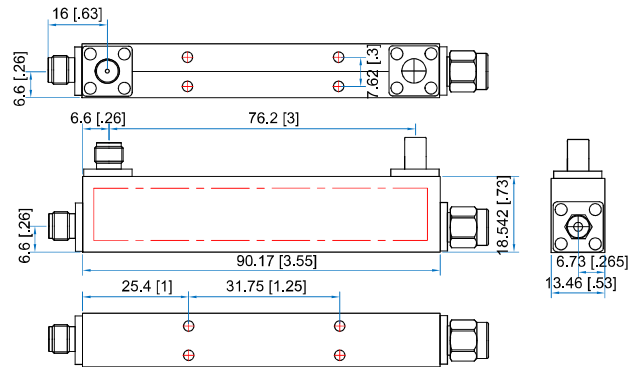
Size*1:	90.17*18.542*13.46mm 3.55*0.73*0.53in
Weight:	300g max.
Connectors:	2.4mm Male, 2.4mm Female

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-20~+50°C
Non-operating Temperature:	-40~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NSDC-1000-44000-1-10-2

Customization is available upon request.

NSDC-2000-2500-K5-40-NS

2~2.5GHz, 500W, 40dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	2~2.5GHz
Insertion Loss:	0.4dB max.
Coupling:	40±2dB
Coupling Flatness:	±0.3dB
Directivity:	15dB min.
VSWR:	1.4 max.
Average Power:	500W
Impedance:	50Ω

Mechanical

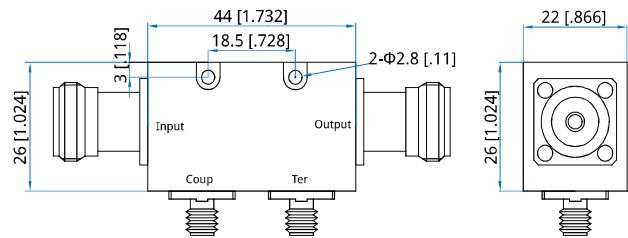
Size*1:	44*26*22mm 1.732*1.024*0.866in
Connectors:	N Female, SMA Female
Mounting:	2-Φ2.8mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-40~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-2000-2500-K5-40-NS

Customization is available upon request.

NSDC-2000-4000-50

2~4GHz, 50W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	2~4GHz
Insertion Loss:	1.0dB max. (10dB) 0.4dB max. (20, 30dB)
VSWR:	1.3 max.
Directivity:	18dB min.
Coupling:	10±1, 20±1, 30±1dB
Coupling Flatness:	±1.0dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

Mounting:	3-Φ2.2mm through-hole (10dB) 3-Φ3.2mm through-hole (20dB) 3-Φ2.2mm through-hole (30dB)
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Environmental

Temperature:	-35~+75°C
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How To Order

NSDC-2000-4000-50-X-Y

X: Coupling: 10, 20, 30

10dB - Outline A

20dB - Outline B

30dB - Outline C

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A, Outline C)

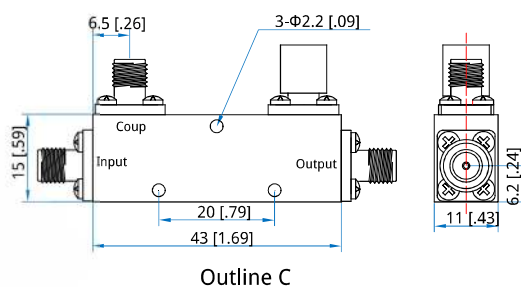
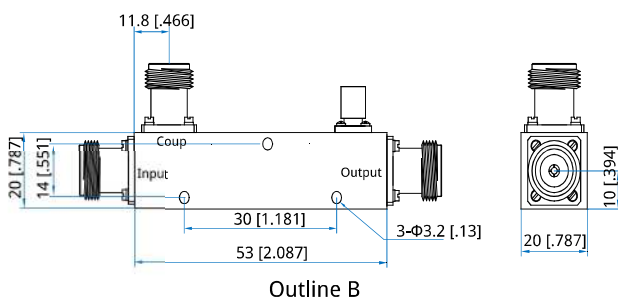
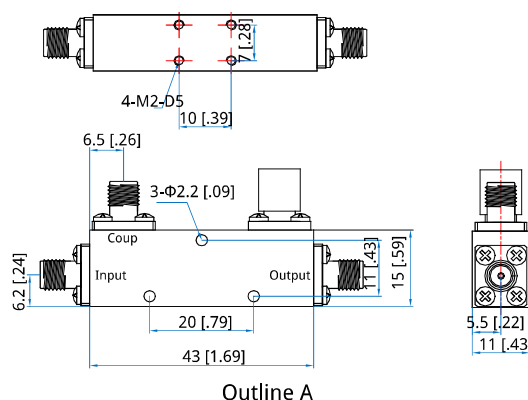
N - N Female (Outline B)

Examples:

To order a single directional coupler, 2~4GHz, 50W, 10dB, SMA, specify NSDC-2000-4000-50-10-S.

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

NSDC-2000-4000-K4-40-N

2~4GHz, 400W, 40dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

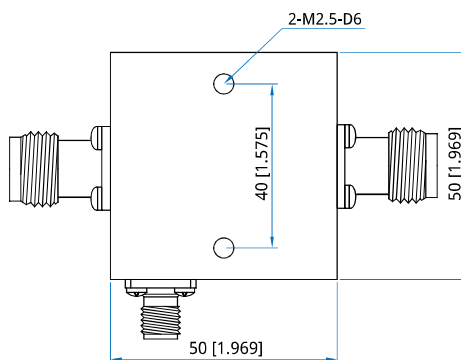
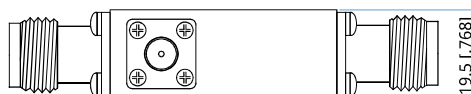
Frequency:	2~4GHz
Insertion Loss:	0.5dB max.
Coupling:	40±1.5dB
VSWR:	1.3 max.
Average Power:	400W min.
Directivity:	10dB min.

Mechanical

Size*1:	50*50*19.5mm 1.969*1.969*0.768in
Connectors:	SMA Female, N Female
Mounting:	2-M2.5, depth 6mm

[1] Exclude connectors and terminations.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-1000-4000-K4-40-N

Customization is available upon request.

NSDC-2000-8000-50-6-S

2~8GHz, 50W, 6dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

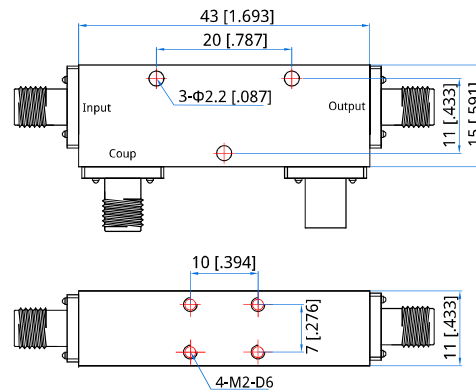
Frequency:	2~8GHz
Insertion Loss:	0.2dB max.
Coupling:	6±1.0dB
Directivity:	18dB min.
VSWR:	1.3 max.
Impedance:	50Ω
Average Power:	50W

Mechanical

Size*1:	43*15*11mm 1.693*0.591*0.433in
Connectors:	SMA Female
Mounting:	3-Φ2.2mm through-hole 4-M2, depth 6mm

[1] Exclude connectors and terminations.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NSDC-2000-8000-50-6-S

Customization is available upon request.

NSDC-2000-8000-50-10-S

2~8GHz, 50W, 10dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	2~8GHz
Insertion Loss:	1.2dB max.
Coupling:	10±1dB
Directivity:	16dB min.
VSWR:	1.3 max.
Impedance:	50Ω
Average Power:	50W

Mechanical

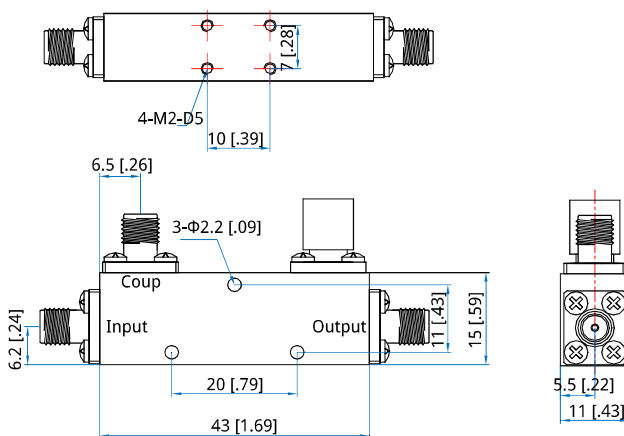
Size*1:	43*15*11mm 1.69*0.591*0.433in
Connectors:	SMA Female
Mounting:	3-Φ2.2mm through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-2000-8000-50-10-S

Customization is available upon request.

NSDC-2000-12000-30-10-S

2~12GHz, 30W, 10dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

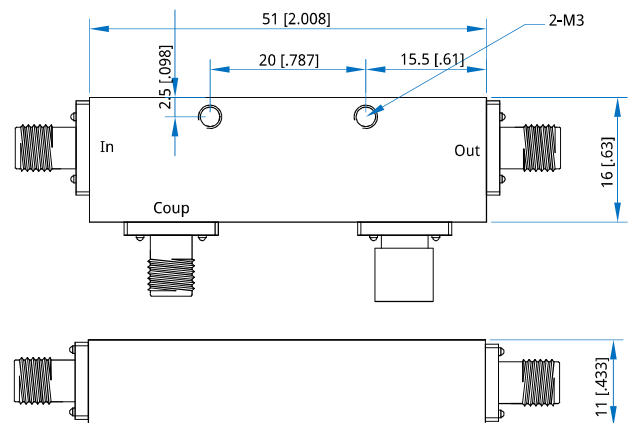
Frequency:	2~12GHz
Insertion Loss:	1.1dB max.
Coupling:	10±1dB
Directivity:	12dB min.
VSWR:	1.5 max.
Average Power:	30W
Impedance:	50Ω

Mechanical

Size*1:	51*16*11mm 2.008*0.63*0.433in
Connectors:	SMA Female
Mounting:	2-M3 through-hole

[1] Exclude connectors and terminations.

Outline Drawings



Unit: mm [in]
Tolerance: ±0.3mm [±0.012in]

How To Order

[NSDC-2000-12000-30-10-S](#)

Customization is available upon request.

NSDC-2000-18000-30

2~18GHz, 30W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	2~18GHz
Insertion Loss:	1dB max.
Coupling:	10, 20, 30dB
Coupling Flatness:	±1dB max.
Directivity:	12dB min. 10dB min. for 30dB coupling
VSWR:	1.6 max.
Average Power:	30W

Mechanical

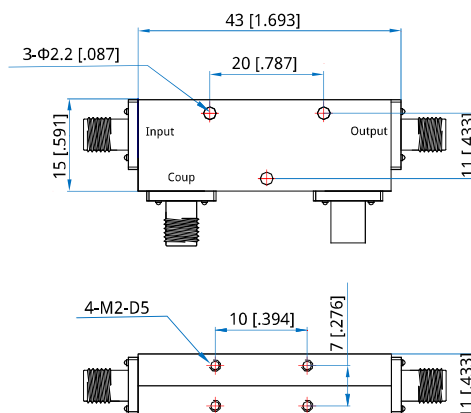
Size ^[1] :	43*15*11mm 1.693*0.591*0.433in
Connectors:	SMA Female
Mounting:	3-Φ2.2mm through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-30~+70°C
Non-operating Temperature:	-40~+80°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-2000-18000-30-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 2~18GHz, 30W, 10dB, SMA, specify NSDC-2000-18000-30-10-S.

Customization is available upon request.

NSDC-2000-18000-K2-50-N

2~18GHz, 200W, 50dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

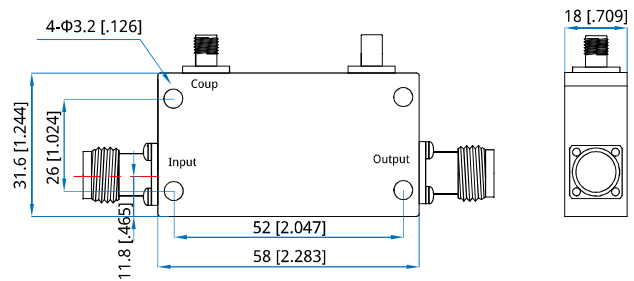
Frequency:	2~18GHz
Insertion Loss:	0.5dB max.
Coupling:	50±2dB
Directivity:	15dB min.
VSWR:	1.4 max.
Average Power:	200W

Mechanical

Size*1:	58*31.6*18mm 2.283*1.244*0.709in
Connectors:	N Female, SMA Female
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors and terminations.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-2000-18000-K2-50-N

Customization is available upon request.

NSDC-2000-40000-30-10-K

2~40GHz, 30W, 10dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	2~40GHz
Insertion Loss:	2dB max.
VSWR:	1.7 max.
Directivity:	10dB min.
Coupling:	10±1.5dB
Impedance:	50Ω
Average Power:	30W

Mechanical

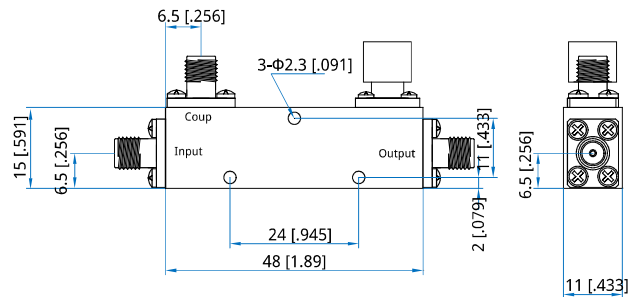
Size*1:	48*15*11mm 1.89*0.591*0.433in
Connectors:	2.92mm Female
Mounting:	3-Φ2.3mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-2000-40000-30-10-K

Customization is available upon request.

NSDC-2000-40000-30-16-K

2~40GHz, 30W, 16dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	2~40GHz
Insertion Loss:	1.5dB max.
VSWR:	1.6 max.
Directivity:	10dB min.
Coupling:	16±1.2dB
Impedance:	50Ω
Average Power:	30W

Mechanical

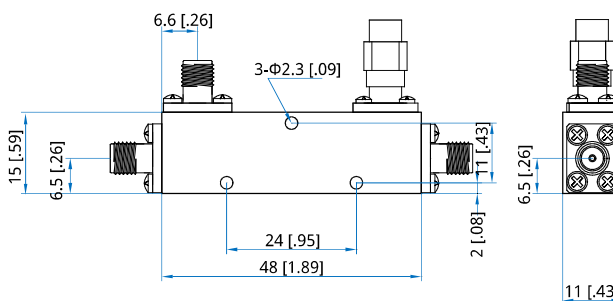
Size*1:	48*15*11mm 1.89*0.59*0.43in
Connectors:	2.92mm Female
Mounting:	3-Φ2.3mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-2000-40000-30-16-K

Customization is available upon request.

NSDC-2000-67000-10-16-V

2~67GHz, 10W, 16dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	2~67GHz
Insertion Loss:	3.5dB max.
VSWR:	2 max.
Directivity:	8dB min.
Coupling:	16±1.4dB
Impedance:	50Ω
Average Power:	10W

Mechanical

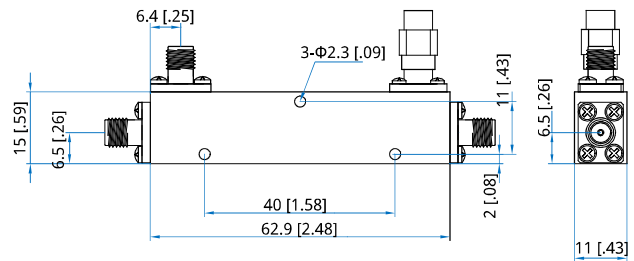
Size*1:	62.9*15*11mm 2.48*0.59*0.43in
Connectors:	1.85mm Female
Mounting:	3-Φ2.3mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-2000-67000-10-16-V

Customization is available upon request.

NSDC-2200-2300-20

2.2~2.3GHz, 20W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	2.2~2.3GHz
Insertion Loss:	0.5dB max.
Coupling:	10±1, 20±1dB
Directivity:	20dB min.
VSWR:	1.3 max.
Average Power:	20W max.
Impedance:	50Ω

Mechanical

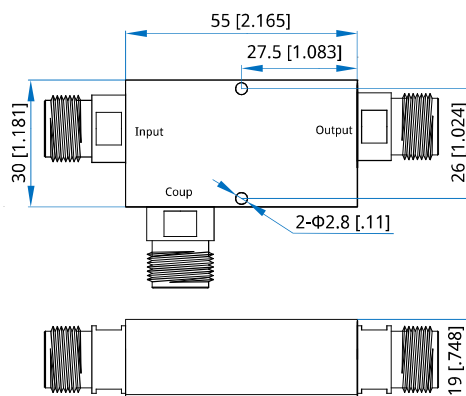
Size*1:	55*30*19mm 2.165*1.181*0.748in
Connectors:	N Female
Mounting:	2-Φ2.8mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-20~+70°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-450-6000-30-X-Y

X: Coupling: 10, 20

Y: Connector type

Connector naming rules:

N - N Female

Examples:

To order a single directional coupler, 2.2~2.3GHz, 20W, 10dB, N, specify NSDC-2200-2300-20-10-N.

Customization is available upon request.

NSDC-2300-2600-K5-40-NS

2.3~2.6GHz, 500W, 40dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	2.3~2.6GHz
Insertion Loss:	0.4dB max.
Coupling:	40±0.5dB
Coupling Flatness:	±0.3dB
Directivity:	20dB min.
VSWR (Mainline):	1.2 max.
VSWR (Coupling):	1.25 max.
Average Power:	500W
Impedance:	50Ω

Mechanical

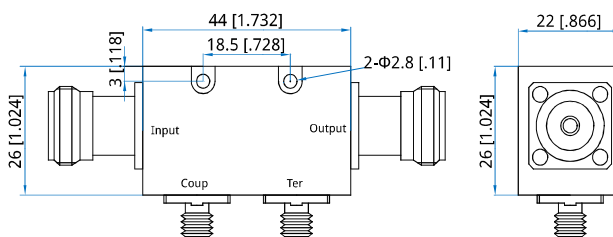
Size*1:	44*26*22mm 1.732*1.024*0.866in
Connectors:	N Female, SMA Female
Mounting:	2-Φ2.8mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-40~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-2300-2600-K5-40-NS

Customization is available upon request.

NSDC-2500-6000-50-6-S

2.5~6GHz, 50W, 6dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	2.5~6GHz
Insertion Loss:	0.8dB max.
VSWR:	1.2 max.
Directivity:	20dB min.
Coupling:	6±1dB
Coupling Flatness:	±1.0dB max.
Impedance:	50Ω
Average Power:	50W

Mechanical

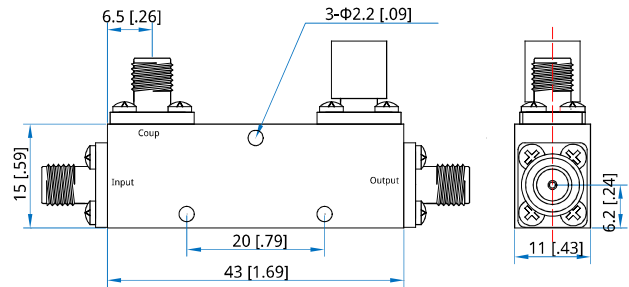
Size*1:	43*15*11mm 1.69*0.59*0.43in
Connectors:	SMA Female
Mounting:	3-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-2500-6000-50-6-S

Customization is available upon request.

NSDC-3000-6000-10-20-S

3~6GHz, 10W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

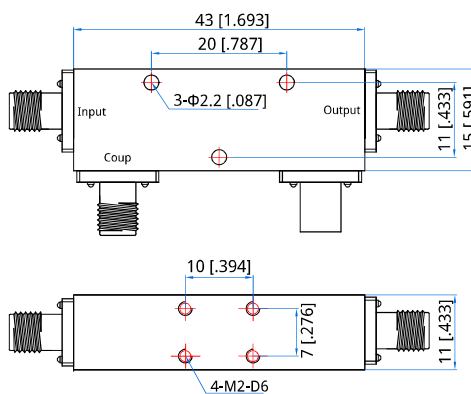
Frequency:	3~6GHz
Insertion Loss:	0.5dB max.
Coupling:	20±1.0dB
Directivity:	18dB min.
VSWR:	1.3 max.
Impedance:	50Ω
Average Power:	10W

Mechanical

Size ^{*1} :	43*15*11mm 1.693*0.591*0.433in
Connectors:	SMA Female
Mounting:	3-Φ2.2mm through-hole 4-M2, depth 6mm

[1] Exclude connectors and terminations.

Outline Drawings



Unit: mm [in]
Tolerance: ±0.2mm [±0.008in]

How To Order

NSDC-3000-6000-10-20-S

Customization is available upon request.

NSDC-3400-4200-50-30-S

3.4~4.2GHz, 50W, 30dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	3.4~4.2GHz
Insertion Loss:	0.5dB max.
Coupling:	30±1.0dB
Coupling Flatness:	±1.0dB max.
VSWR:	1.3 max.
Directivity:	15dB min.
Impedance:	50Ω
Average Power:	50W

Mechanical

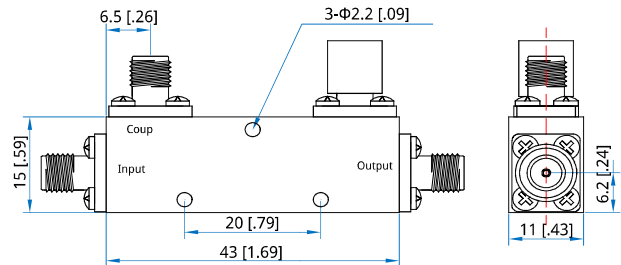
Size*1:	43*15*11mm 1.69*0.59*0.43in
Connectors:	SMA Female
Mounting:	3-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Operating Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-3400-4200-50-30-S

Customization is available upon request.

NSDC-3500-4500-10-20-S

3.5~4.5GHz, 10W, 20dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	3.5~4.5GHz
Insertion Loss:	0.5dB max.
Coupling:	20±1dB
Coupling Flatness:	±1dB max.
Directivity:	20dB min.
VSWR:	1.3 max.
Average Power:	10W max.

Mechanical

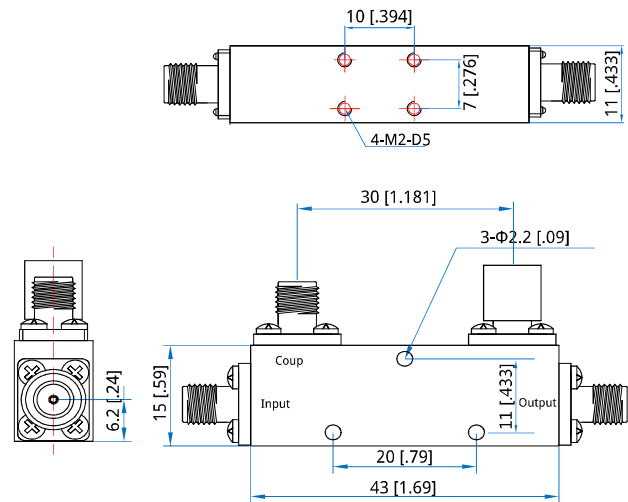
Size*1:	43*15*11mm 1.693*0.591*0.433in
Connectors:	SMA Female
Mounting:	3-Φ2.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.3mm [±0.012in]

How To Order

NSDC-3500-4500-10-20-S

Customization is available upon request.

NSDC-3800-4300-50-20-N

3.8~4.3GHz, 50W, 20dB

Features:

- * Broadband
- * High Power
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	3.8~4.3GHz
Insertion Loss:	0.5dB max.
Coupling:	20±1dB
VSWR:	1.3 max.
Directivity:	20dB min.
Average Power:	50W max.
Impedance:	50Ω

Mechanical

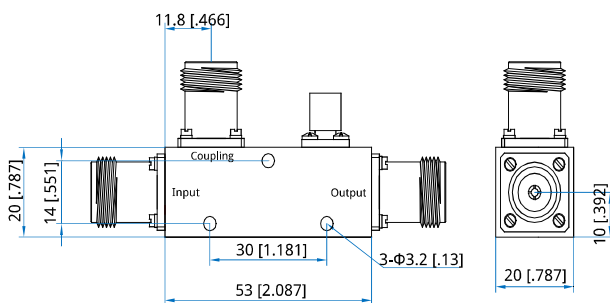
Size*1:	20*20*53mm 0.787*0.787*2.087in
Connectors:	N Female
Mounting:	3-Φ3.2mm through-hole

[1] Exclude connectors and terminations.

Environmental

Temperature:	-45~+85°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-3800-4300-50-20-N

Customization is available upon request.

NSDC-4000-6000-K4-40-N

4~6GHz, 400W, 40dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

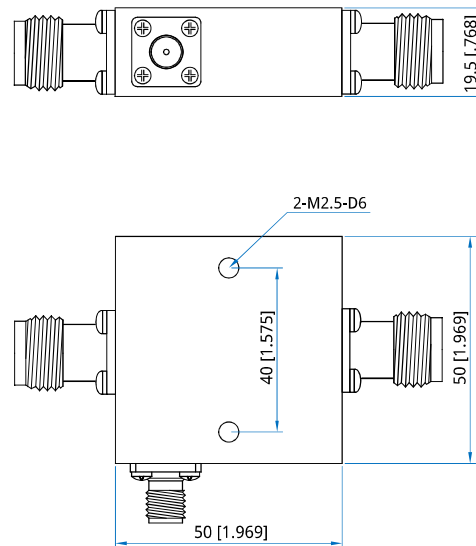
Frequency:	4~6GHz
Insertion Loss:	0.6dB max.
Coupling:	40±1.5dB
VSWR:	1.3 max.
Average Power:	400W min.
Directivity:	10dB min.

Mechanical

Size*1:	50*50*19.5mm 1.969*1.969*0.768in
Connectors:	SMA Female, N Female
Mounting:	2-M2.5, depth 6mm

[1] Exclude connectors and terminations.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-4000-6000-K4-40-N

Customization is available upon request.

NSDC-4000-8000-50-10-S

4~8GHz, 50W, 10dB

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	4~8GHz
Insertion Loss:	1dB max.
Coupling:	10±1dB
Directivity:	16dB min.
VSWR:	1.3 max.
Impedance:	50Ω
Average Power:	50W

Mechanical

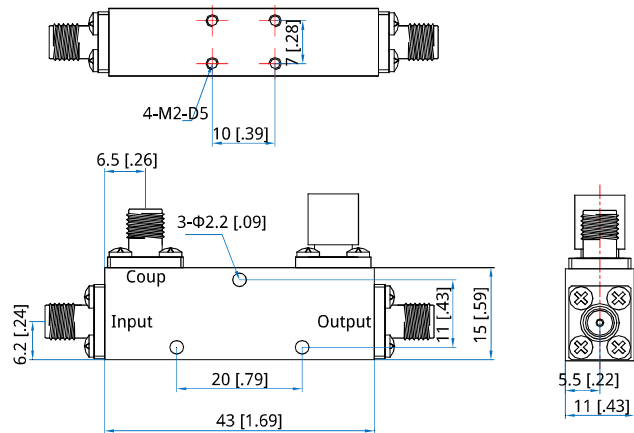
Size ^{*1} :	43*15*11mm 1.69*0.591*0.433in
Connectors:	SMA Female
Mounting:	3-Φ2.2mm through-hole 4-M2, depth 5mm

[1] Exclude connectors and terminations.

Environmental

Temperature:	-35~+75°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NSDC-4000-8000-50-10-S

Customization is available upon request.