

NMPS180

180°/GHz

Features:

- * Low Insertion Loss
- * High Power
- * High Reliable

Applications:

- * Laboratory Test
- * Transmitter
- * Instrumentation
- * Wireless

Electrical

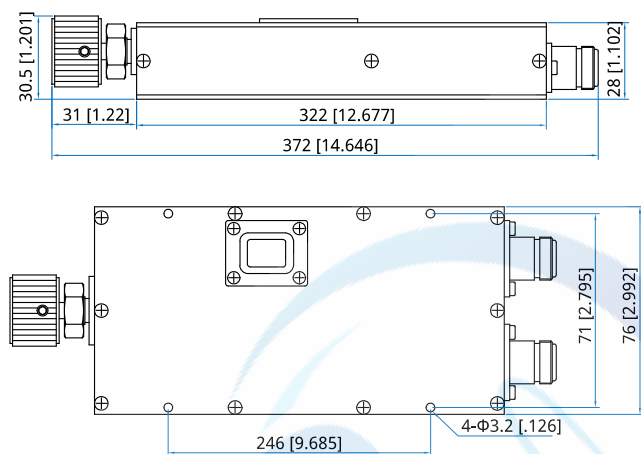
Frequency:	DC~4GHz
Impedance:	50Ω
Average Power:	100W
Peak Power*1:	5KW

[1] Pulse width: 5us, duty cycle: 2%.

Frequency (GHz)	VSWR (max.)	Insertion Loss (dB, max.)	Phase Adjustment*2 (°)
DC~1	1.4	1.0	0~180
DC~2	1.5	1.5	0~360
DC~3	1.5	1.75	0~540
DC~4	1.5	2.0	0~720

[2] Phase shift varies linearly corresponding to the frequency. For example, if the maximum phase shift is 360°@2GHz, the maximum phase shift is 180°@1GHz.

Outline Drawings



Unit: mm [in]

Outline A

Tolerance: ±0.2mm [±0.008in]

Mechanical

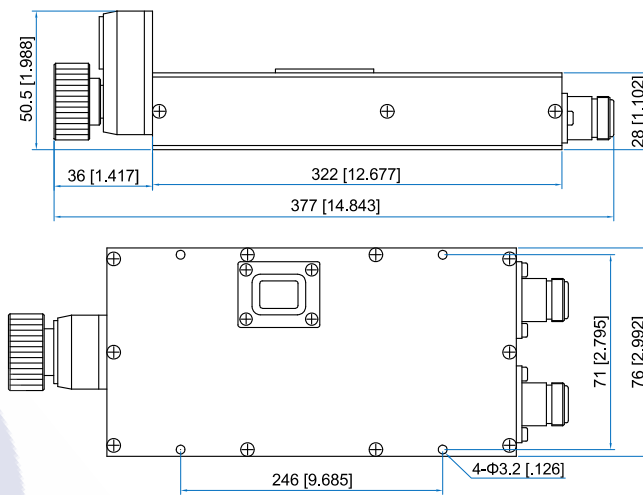
Size*3:	372*76*30.5mm 14.646*2.992*1.201in
Size*4:	377*76*50.5mm 14.843*2.992*1.988in
Weight:	795g
RF Connectors:	N Female, SMA Female
Outer Conductor:	Nickle Plated Brass
Inner Conductor:	Gold Plated Beryllium Bronze
Housing Material:	Aluminum

[3] Analog.

[4] Digital.

Environmental

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



Outline B

How To Order

NMPS180-X-Y-Z

X: Frequency in GHz

Y: Connector type

Z: Display

Examples:

To order a digital phase shifter, DC~3GHz, N female to N female, specify NMPS180-3-N-D.

Customization is available upon request.

Connector naming rules:

S - SMA

N - N

Display naming rules:

A - Analog (Outline A)

D - Digital (Outline B)