QMPS180

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[*2] Adjustment[*3] (°)
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 Reading:

Analog : Phase (°) =actual reading*2.4°*frequency (GHz), adjustment range: 0~75.

Digital : Phase (°) =actual reading*0.024°*frequency (GHz), adjustment range: 0~7500.

[3] 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.

Mechanical

Size[*4]:	372*76*30.5mm
	14.646*2.992*1.201in
Size[*5]:	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

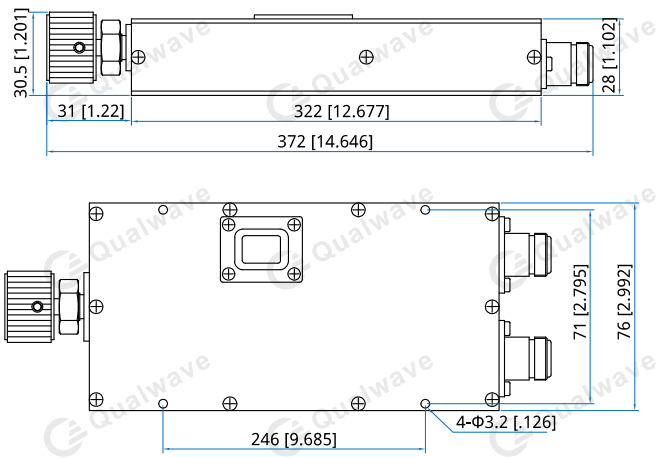
[4] Analog.

[5] Digital.

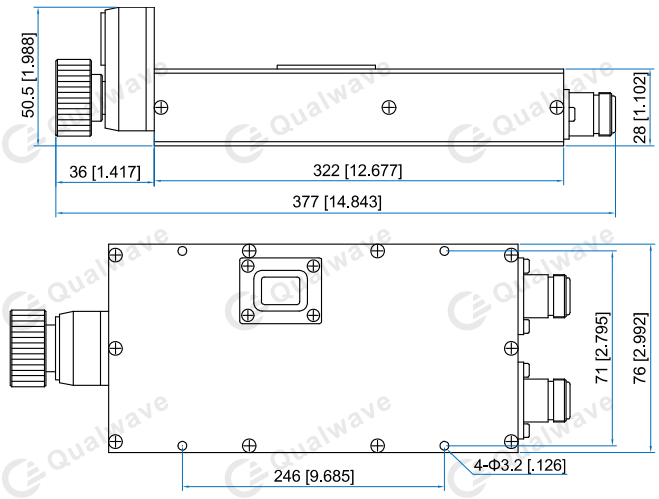
Environmental

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

Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

QMPS180-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 QMPS180-3-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)