

# QMPS360

## 360°/GHz

Features:  
 \* Low Insertion Loss  
 \* High Power  
 \* High Reliable

Applications:  
 \* Laboratory Test  
 \* Transmitter  
 \* Instrumentation  
 \* Wireless

### Electrical

Frequency: DC~2GHz  
 Impedance: 50Ω  
 Average Power: 100W  
 Peak Power<sup>\*1</sup>: 5KW

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

Frequency (GHz)	VSWR (max.)	Insertion Loss (dB, max.)	Phase Adjustment <sup>*2</sup> (°)
DC~1	1.4	1.5	0~360
DC~2	1.5	2.0	0~720

[2] Phase shift varies linearly corresponding to the frequency. For example, if the maximum phase shift is 720°@2GHz, the maximum phase shift is 360°@1GHz.

### Mechanical

Size<sup>\*3</sup>: 390\*134\*30.5mm  
 15.354\*5.276\*1.201in  
 Size<sup>\*4</sup>: 395\*134\*50.5mm  
 15.551\*5.276\*1.988in

Weight: 1800g

RF Connectors: N Female, SMA Female

Outer Conductor: Nickle Plated Brass

Inner Conductor: Gold Plated Beryllium Bronze

Housing Material: Aluminum

[3] Analog.

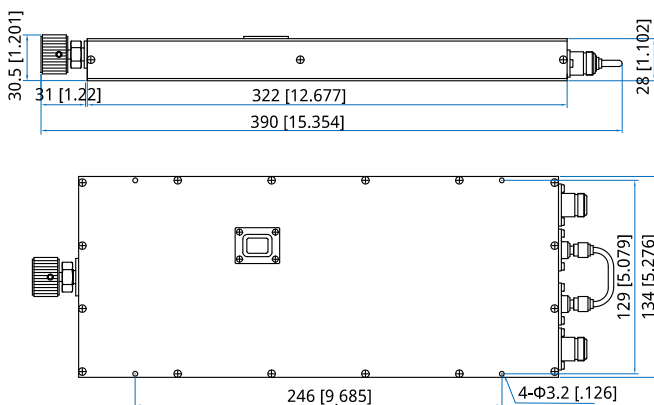
[4] Digital.

### Environmental

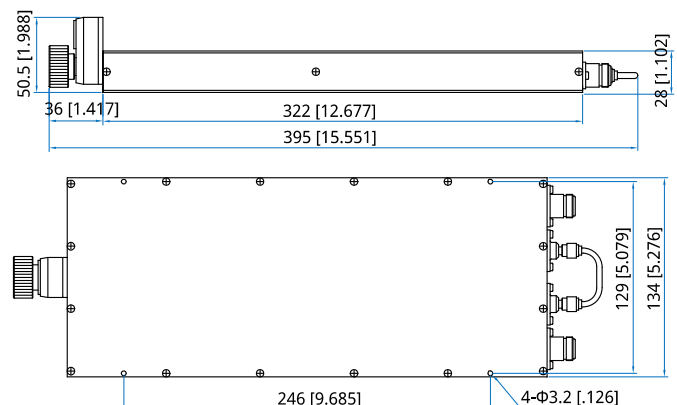
Operating Temperature: -10~+50°C

Non-operating Temperature: -40~+70°C

### Outline Drawings



Outline A



Outline B

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

### How To Order

#### QMPS360-X-Y-Z

X: Frequency in GHz

Y: Connector type

Z: Display

#### Examples:

To order a digital phase shifter, DC~1GHz, N female to N female, specify QMPS360-1-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)