

# QMPS60

## 60°/GHz

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

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

### Electrical

Frequency: DC~8GHz  
 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	1.2	0.3	0~60
DC~2	1.3	0.5	0~120
DC~3	1.4	0.8	0~180
DC~4	1.4	1.0	0~240
DC~6	1.5	1.0	0~360
DC~8	1.5	1.25	0~480

[2] Phase shift varies linearly corresponding to the frequency. For example, if the maximum phase shift is 360°@6GHz, the maximum phase shift is 180°@3GHz.

### Mechanical

Size<sup>\*3</sup>: 200\*76\*30.5mm  
 7.874\*2.992\*1.201in  
 Size<sup>\*4</sup>: 205\*76\*50.5mm  
 8.071\*2.992\*1.988in

Weight: 490g

RF Connectors: N Female, SMA Female  
 Outer Conductor: Gold Plated Brass  
 Inner Conductor: Gold Plated Beryllium Bronze  
 Housing Material: Aluminum

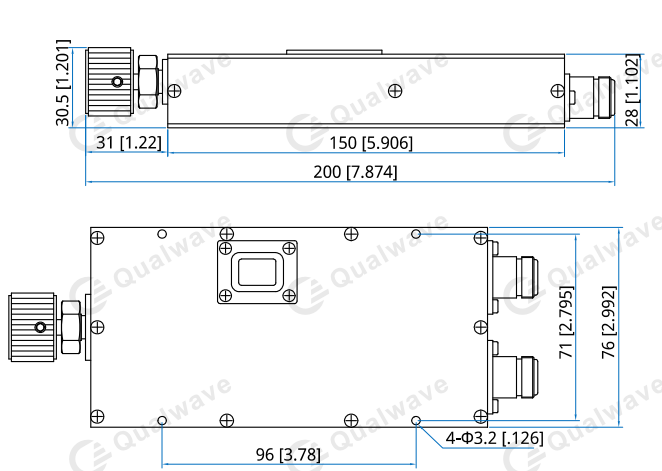
[3] Analog.

[4] Digital.

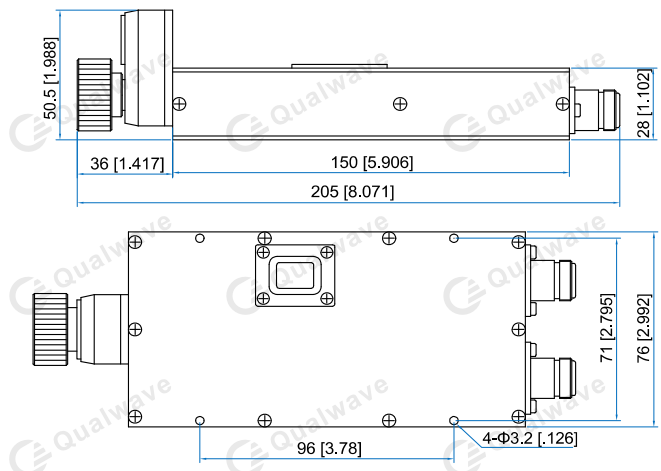
### Environmental

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

### QMPS60-X-Y-Z

X: Frequency in GHz

Y: Connector type

Z: Display

#### Examples:

To order a digital phase shifter, DC~4GHz, N female to N female, specify QMPS60-4-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)