

# QMPS45

## 45°/GHz

**Features:**

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

**Applications:**

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

### Electrical

Frequency:	DC~8GHz
Impedance:	50Ω
Average Power:	50W
Peak Power*1:	5KW

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

Frequency (GHz)	VSWR (max.)	Insertion Loss (dB, max.)	Phase Adjustment*2 (°)
DC~1	1.20	0.3	0~45
DC~2	1.30	0.5	0~90
DC~4	1.40	0.75	0~180
DC~6	1.50	1.0	0~270
DC~8	1.50	1.25	0~360

[2] Phase shift varies linearly corresponding to the frequency. For example, if the maximum phase shift is 360°@8GHz, the maximum phase shift is 180°@4GHz.

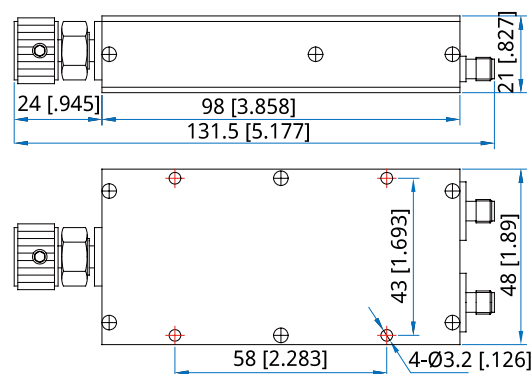
### Mechanical

Size:	131.5*48*21 mm 5.177*1.89*0.827in
Weight:	200g
RF Connectors:	SMA Female
Outer Conductor:	Gold plated brass
Male Inner Conductor:	Gold plated brass
Female Inner Conductor:	Gold plated beryllium copper
Housing:	Aluminum

### Environmental

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

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

### How To Order

#### QMPS45-X-Y

X: Frequency in GHz

Y: Connector type

Connector naming rules:

S - SMA

Examples:

To order a phase shifter, DC-6GHz, SMA male to SMA female, specify QMPS45-6-S.