

# NMPS45

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	1.2	0.3	0~45
DC~2	1.3	0.5	0~90
DC~4	1.4	0.75	0~180
DC~6	1.5	1	0~270
DC~8	1.5	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.

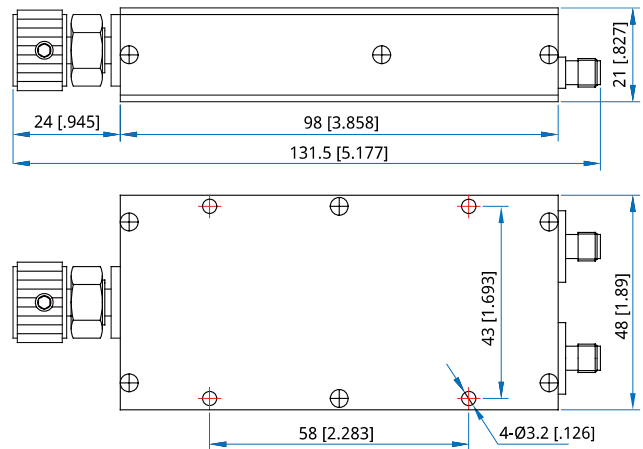
**Mechanical**

Size: 131.5\*48\*21mm  
 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**

**NMPS45-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 NMPS45-6-S.

Customization is available upon request.