

QMPS20

20°/GHz

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

Applications:
 * Laboratory Test
 * Transmitter
 * Instrumentation
 * Wireless

Electrical

Frequency: DC~18GHz
 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~2 | 1.25 | 0.35 | 0~40 |
| DC~3 | 1.3 | 0.5 | 0~60 |
| DC~6 | 1.4 | 0.75 | 0~120 |
| DC~9 | 1.5 | 1 | 0~180 |
| DC~12 | 1.6 | 1.25 | 0~240 |
| DC~18 | 1.6 | 1.5 | 0~360 |

[2] Phase shift varies linearly corresponding to the frequency. For example, if the maximum phase shift is 360°@18GHz, the maximum phase shift is 180°@9GHz.

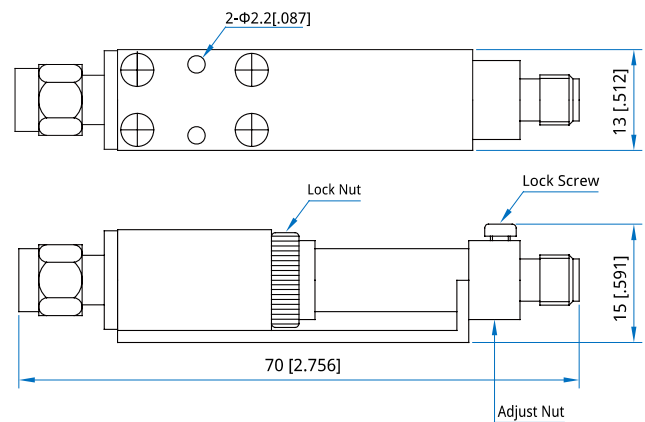
Mechanical

Size: 70*13*15mm
 2.756*0.512*0.591in
 Weight: 50g
 RF Connectors: SMA
 Outer Conductor: Gold plated brass
 Male Inner Conductor: Gold plated brass
 Female Inner Conductor: Gold plated beryllium copper

Environmental

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

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.2mm [±0.008in]

Usage

1. Tighten the lock nuts.
2. Connect both ends to cables.
3. Release the lock nuts.
4. Turn the adjust nut to adjust phase.
5. Tighten the lock nuts.

How To Order

QMPS20-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 QMPS20-6-S.

Customization is available upon request.