

QSA28

DC~28GHz, 0~90dB, 25W

Features:

- * Low VSWR
- * High Attenuation Flatness

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test
- * Radar

Description

QSA28 series Rotary Stepped Attenuators cover frequency range DC~28GHz. Rotary stepped attenuators can adjust the power level of microwave circuit in a certain frequency range by step.

Specifications

| Frequency (GHz) | Attenuation Range/Step (dB) | VSWR (Max.) | IL (dB Max.) | Attenuation Accuracy (\pm dB) | Avg Power (W) | Connectors |
|-----------------|-----------------------------|-------------|--------------|----------------------------------|---------------|------------|
| DC~18 | | 1.6 | 1 | 0.8 | 2, 10 | SMA, 3.5mm |
| DC~26.5 | 0~9/1 | 1.7 | 1.8 | 1 | | |
| DC~28 | | 1.75 | 1.8 | 1.5 | 10 | |
| DC~18 | 0~70/10 | 1.6 | 1 | 1.5 or 4% | 2,10 | SMA, 3.5mm |
| DC~26.5 | 0~60/10 | 1.75 | 1.8 | 1.5 or 4% | 2, 10 | SMA, 3.5mm |
| 0.1~8 | | | | | | SMA, 3.5mm |
| 0.1~12.4 | 0~90/10 | 1.6 | 1 | 1.5 or 4% | 2, 10 | |
| 0.1~18 | | | | | | |
| DC~18 | | 1.6 | 1 | 1.5 or 4% | | SMA, 3.5mm |
| DC~26.5 | 0~70/10 | 1.75 | 1.8 | 1.5 or 4% | 25 | |
| DC~28 | | 1.75 | 1.8 | 2 or 5% | | |

Electrical

Impedance: 50 Ω
Peak Power^{*1}: 200W

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

Mechanical

Size: 106*62/66*83mm
4.173*2.441/2.598*3.268in
Weight: 525g
RF Connectors: 3.5mm Female, SMA Female
Housing Materials: Aluminum

Environmental

Temperature: 0~+54°C

How To Order

QSA28-W-X-Y-Z

W: Stop Frequency in GHz
X: Maximum attenuation in dB
Y: Power in Watts
Z: Connector type

Connector naming rules:

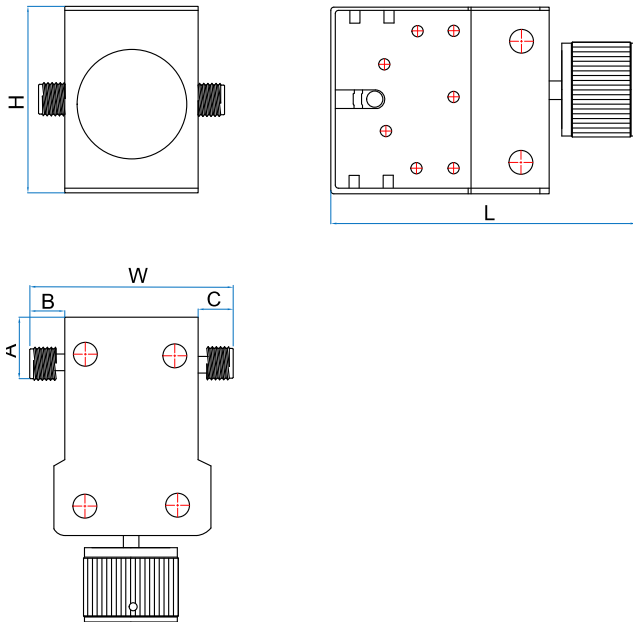
S - SMA Female
3 - 3.5mm female

Examples:

To order an attenuator, DC~28GHz, 0~70dB attenuation, 2W, 3.5mm female, specify QSA28-28-70-2-3.

Customization is available upon request.

Outline Drawings



| 2W:60-90dB, 10W:1-90dB | | | | | | |
|------------------------|-------|-------|-------|-------|-------|-------|
| Size | L | W | H | A | B | C |
| mm | 106 | 62 | 83 | 14 | 7 | 7 |
| in | 4.173 | 2.441 | 3.268 | 0.551 | 0.276 | 0.276 |
| 2W:1-9dB | | | | | | |
| Size | L | W | H | A | B | C |
| mm | 106 | 66 | 83 | 14 | 10.5 | 7 |
| in | 4.173 | 2.598 | 3.268 | 0.551 | 0.413 | 0.276 |
| 25W:70dB | | | | | | |
| Size | L | W | H | A | B | C |
| mm | 106 | 66 | 83 | - | - | - |
| in | 4.173 | 2.598 | 3.268 | - | - | - |

Unit: mm [in]

Tolerance: ± 1 mm [± 0.04 in]