Qualwave

Fixed Attenuators

QFA2625

DC~26.5GHz, 25W

Features:
* Low VSWR
* High Attenuation Flatness

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency:	DC~26.5GHz
Attenuation:	3~70dB
Impedance:	50Ω
Average Power*[1]:	25W@25°C max.

[1] Derated linearly to 1.25W@120°C.

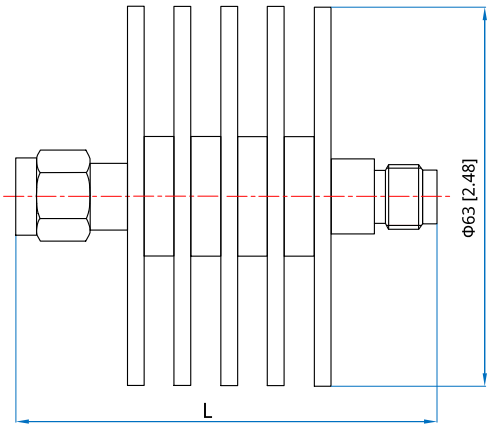
Mechanical

Size:	Φ63*L mm Φ2.48*L in
Weight:	115g typ.
RF Connectors:	3.5mm, SMA
Housing:	Aluminum
Outer Conductor:	Gold plated brass or Stainless steel
Male Inner Conductor:	Gold plated brass
Female Inner Conductor:	Gold plated beryllium copper

Environmental

Temperature:	-55~+85℃

Outline Drawings



Unit: mm [in]
Tolerance: ±2mm [±0.08in]

Connector	Attenuation (dB)	L (mm [in])
3.5mm	3~70	50.3 [1.98]
SMA	10~40	47 [1.85]

Attenuation Accuracy and VSWR (3.5mm)

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)								VSWR (max.)
	3	6, 10	20	30	40	50	60	70	
DC~12.4	±0.8	±1.0	±0.8	±0.8	±1.0	-1.0/+0.5	-1.0/+0.5	-0.6/+1.0	1.20
12.4~18	±0.8	±1.0	±0.8	-0.8/+1.0	-0.8/+1.0	-1.0/+0.75	-1.0/+0.75	-1.0/+0.5	1.25
18~26.5	-0.9/+0.8	±1.0	-0.9/+1.0	-0.8/+1.0	-0.8/+1.2	-1.0/+1.5	±1.0	-1.0/+1.2	1.30

Attenuation Accuracy and VSWR (SMA)

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)				VSWR (max.)
	10	20	30	40	
DC~12.4	±0.5	±0.8	±0.8	±0.8	1.25
12.4~18	±1.0	±1.0	±1.0	±1.0	1.30
18~26.5	±1.2	±1.2	±1.2	±1.2	1.35

How To Order

QFA2625-X-Y-Z

X: Frequency in GHz
Y: Attenuation in dB
Z: Connector type

Connector naming rules:
3 - 3.5mm S - SMA

Examples:
To order an attenuator, DC-26.5GHz, SMA male to SMA female, 30dB attenuation, specify QFA2625-26.5-30-S.