QFA2650

DC~26.5GHz, 50W

Features:
* Low VSWR
* High Attenuation Flatness

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency:	DC~26.5GHz
Attenuation:	3~60dB
Impedance:	50Ω
Average Power*[1]:	50W@25°C max.

[1] Derated linearly to 5W@125°C.

Mechanical

RF Connectors:	SMA, 3.5mm
Housing:	Aluminum
Outer Conductor:	Passivated stainless steel or gold plated brass
Male Inner Conductor:	Gold plated brass
Female Inner Conductor:	Gold plated beryllium copper

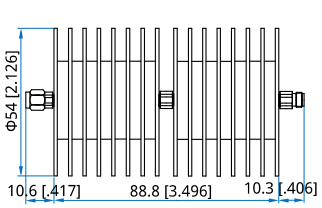
Environmental

Temperature:	-55~+85°C

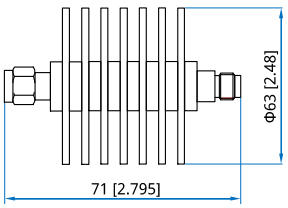
Peak Power

Peak Power (W)	Pulse Width (μS)	Duty Cycle (%)	Applicable Scope
200	5	10	@SMA 20,30,40dB
500		10	@SMA 50,60dB
1000		2.5	@3.5mm

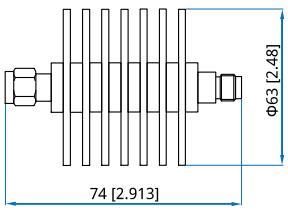
Outline Drawings



Outline A



Outline B



Outline C

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

Attenuation Accuracy and VSWR (SMA)

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)					VSWR (max.)
	20	30	40	50	60	
DC~26.5	-2.0/+2.0	-2.0/+2.0	-2.0/+2.0	±1.0	±1.0	1.3

Attenuation Accuracy and VSWR (3.5mm)

Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)							VSWR (max.)
	3	6	10	20~30	40	50	60	
DC~12.4	-0.8/+0.3	±1.0	±1.0	±0.9	-1.0/+0.5	-1.0/+0.75	-1.0/+0.5	1.20
DC~18	±0.8	±1.0	±1.0	±1.0	±1.0	±1.0	-1.0/+0.75	1.25
DC~26.5	-0.8/+1.0	-1.0/+1.7	-1.0/+2.5	±1.0	±1.0	±1.0	±1.0	1.30

How To Order

QFA2650-X-Y-Z

X: Frequency in GHz

Y: Attenuation in dB

Z: Connector type

Connector naming rules:

S -SMA (Outline A - 20~40dB, Outline B - 50~60dB)

3 - 3.5mm (Outline C)

Examples:

To order an attenuator, DC~26.5GHz, SMA male to SMA female, 20dB attenuation, specify QFA2650-26.5-20-S.