QFA18K15

DC~18GHz, 150W

Features:
* Low VSWR
* High Attenuation Flatness

Applications:
* Wireless
* Transmitter
* Laboratory Test
* Radar

Electrical

Frequency:	DC~18GHz
Attenuation:	3, 6~60dB
Impedance:	50Ω
Average Power[*1]:	150W@25℃ max.

[1] Derated linearly to 7.5W@120℃.

Peak Power

Peak Power (W)	Pulse Width (μS)	Duty Cycle (%)	Applicable Scope
1000	5	10	@SMA DC~12.4GHz
500		15	@SMA 18GHz
5000		1	@N DC~12.4GHz
1000		5	@N 18GHz

Mechanical

RF Connectors:	SMA, N

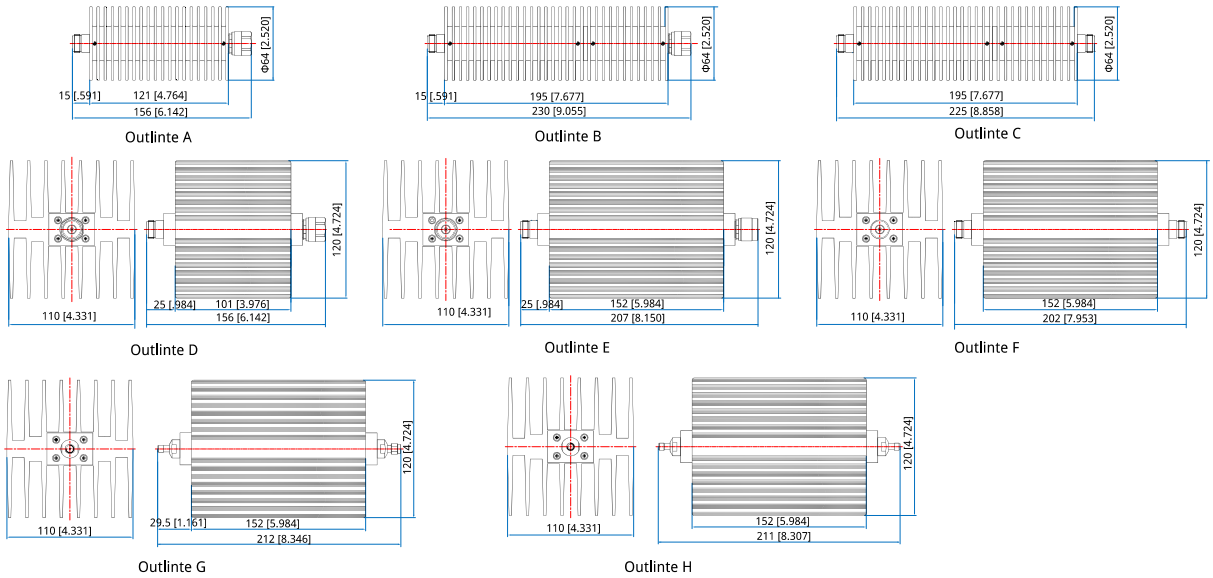
Environmental

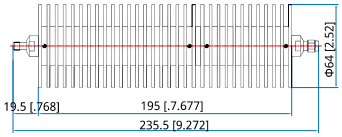
Temperature:	-55~+125℃

Attenuation Accuracy and VSWR

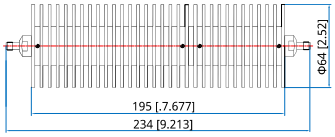
Frequency (GHz)	Attenuation Accuracy (±dB) vs. Attenuation (dB)						VSWR (max.)
	3	6~10	20	30	40	50~60	
DC~4	0.7	0.7	0.7	0.8	0.9	0.9	1.20
DC~8	0.8	0.8	0.8	0.9	0.9	0.9	1.25
DC~12.4	-	0.9	0.9	1	1.1	1.1	1.35
DC~18	-	2	1.5	1.5	1.3	1.4	1.45

Outline Drawings





Outline I



Outline J

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

How To Order

QFA18K15-X-Y-Z

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

Examples:
To order an attenuator, DC-18GHz, N male to N female, 30dB attenuation, cylinder, specify QFA18K15-18-30-N1.

Connector and shape naming rules:
N1 - Cylinder, N, 3dB(Outline A)
N1 - Cylinder, N, 6~60dB(Outline B)
NFNF1 - Cylinder, N Female, 6~60dB(Outline C)
N2 - Cuboid, N , 3dB(Outline D)
N2 - Cuboid, N , 6~60dB(Outline E)
NFNF2 - Cuboid, N Female, 6~60dB(Outline F)
S2 - Cuboid, SMA , 6~60dB(Outline G)
SFSF2 - Cuboid, SMA Female, 6~60dB(Outline H)
S1 - Cylinder, SMA , 6~60dB(Outline I)
SFSF1 - Cylinder, SMA Female, 6~60dB(Outline J)