

Ceramic Filters

1 ... 50 GHz

Application

- Test and measurement equipment
- Airborne, naval and ground applications

Benefits

- Easy integration through mounting flanges
- Small size
- Customised bandwidths

General specifications

Filter types	Low-, High-, Band-Pass
Sealing	hermetic
Grounding	through housing

RF specification

Frequency bands (GHz)	1 ... 50
Bandwidths	narrow and broadband multi-octave
Impedance (Ohm)	50
Return loss (dB)	15
Insertion loss (dB)	1 ... 3.5
Insertion loss ripple (dB)	0.2 ... 0.7
Out-of-band rejection (dB)	30 ... 50
Max. input power (dBm)	33

Mechanical specification

Housing	Aluminium
Dimensions w/o connectors (mm)	Length: 27
	Width: 20
	Height: 12
Mounting	4 holes on flanges

Interfaces

RF connectors	SMA male or female 2.92 mm male or female 2.4 mm male or female
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Compliance

Temperature range (°C)	-55 ... +125
Shock and vibration	MIL-STD-810E
Climate	MIL-STD-810E



Planar Ceramic Filters