

Data Sheet

VES-DRFIL-7900

DR Bandpass Filter 7900MHz



Features

- Dielectric Resonator Based Band Pass Filter (BPF)
- Center Frequency: 7900MHz
- Resonator Material Ceramics K27
- Impedance: 50Ω
- Temperature Operating Range: -15DegC to +70DegC



Generic photo used for illustration purposes only

Applications

- Satellite communications
- Automotive Safety

Coaxial Connections

Port 1	1	SMA-F
Port 2	2	SMA-F

Electrical Specifications

Description	Specification Value	Unit
Passband Center Frequency	7900	MHz
Insertion Loss @ Centre Frequency	4	dB max
1 dB Bandwidth	4	MHz max
Rejection @ 7900 ± 5 MHz	≥7	dBc
Rejection @ 7900 ± 10 MHz	≥15	dBc
Rejection @ 7900 ± 15 MHz	≥20	dBc
Rejection @ 7900 ± 20 MHz	≥25	dBc
Rejection @ 7900 ± 50 MHz	≥50	dBc
Input & Output return loss	≥ 15	dB
Operating power	10	dB max

Plotted and Other Data

Notes:

- Values at +25°C, sea level.
- ESD Sensitive Material, Transport material in Approved ESD bags. Handle only in approved ESD Workstation.



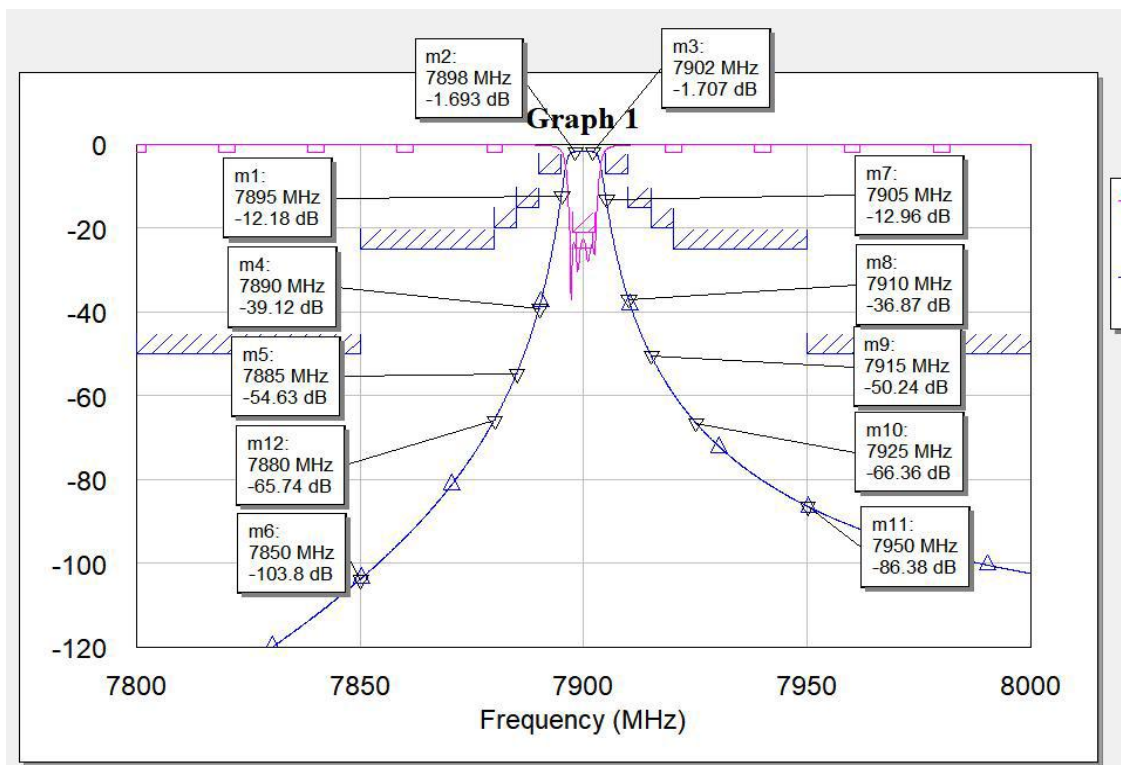
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For detailed performance specs & Shopping online see Vietes web site: www.Vietes.vn

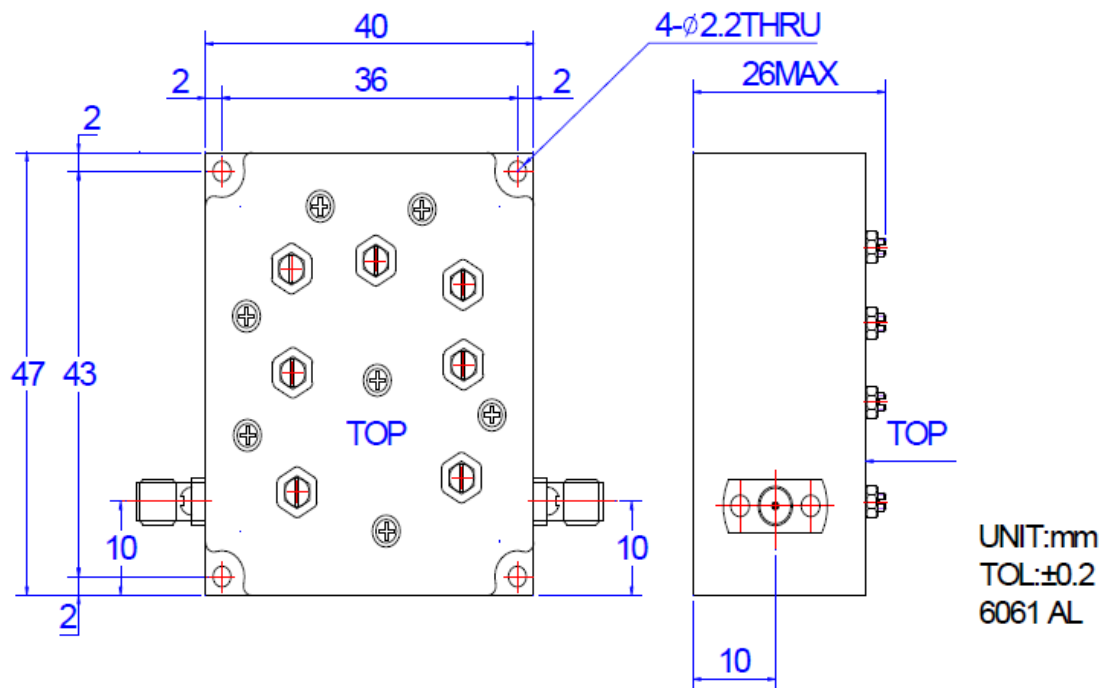
Vibration Test Level Requirements:

Frequency	PSD (g ² /Hz)
20	0.02
80	0.08
500	0.08
2000	0.02
Overall Level	9.6grms

Typical Performance Data



Outline Drawing
Dimensions (mm)



- RF Connectors: SMA female .
- Plating/Housing (Internal & External): Gold plating/Gold flash.

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Contact us

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