

C-BAND EXTREME BAND PASS FILTER

3700-4200MHz

Introducing our cutting-edge solution: the C-Band Extreme Band Pass Filter.

Designed to combat terrestrial interference, including disruptive signals from 5G, Radar, and C-Band transmitters, this filter ensures pristine reception for critical communication needs. With a narrow guard band of less than 20 MHz, it sets a new standard in signal purity. Seamlessly integrated and easily installed between the feed and LNB, it's an essential addition to any C-Band satellite setup.



Electrical Specifications

Part No.	GDI-BPF80
Frequency Band (MHz)	3700-4200
Insertion Loss (dB)	$\leq 1.4@3700\text{MHz}, \leq 0.6@4200\text{MHz}, \leq 0.3@3800, 3900, 4000, 4100\text{MHz}$
Rejection (dB)	$\geq 50@3680\text{MHz}, \geq 55@3660\text{MHz}, \geq 60@3640\text{MHz}, \geq 60@3600\text{MHz}, \geq 70@3580\text{MHz}, \geq 70@3580-3400\text{MHz}, \geq 20@4250\text{MHz}$
Return Loss (dB)	≥ 16
Input Power (W)	< 100
Impedance (Ω)	50

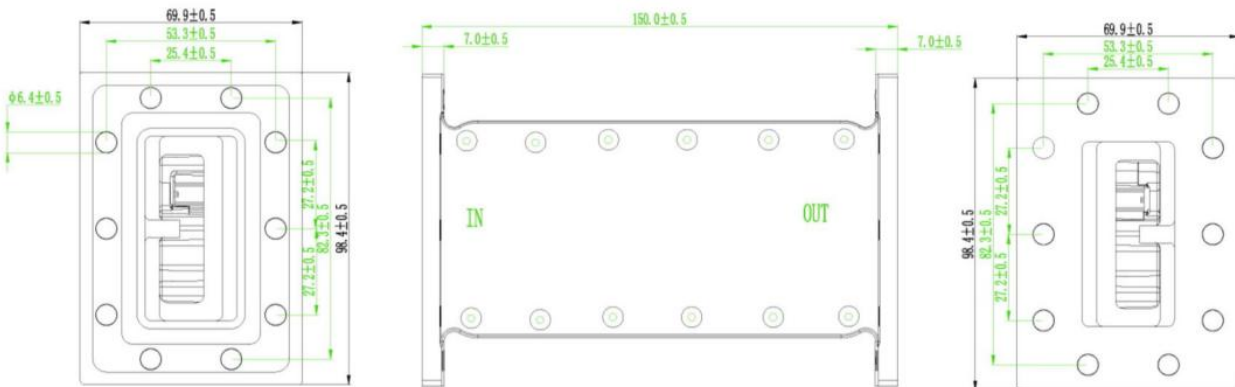
Mechanical Specifications

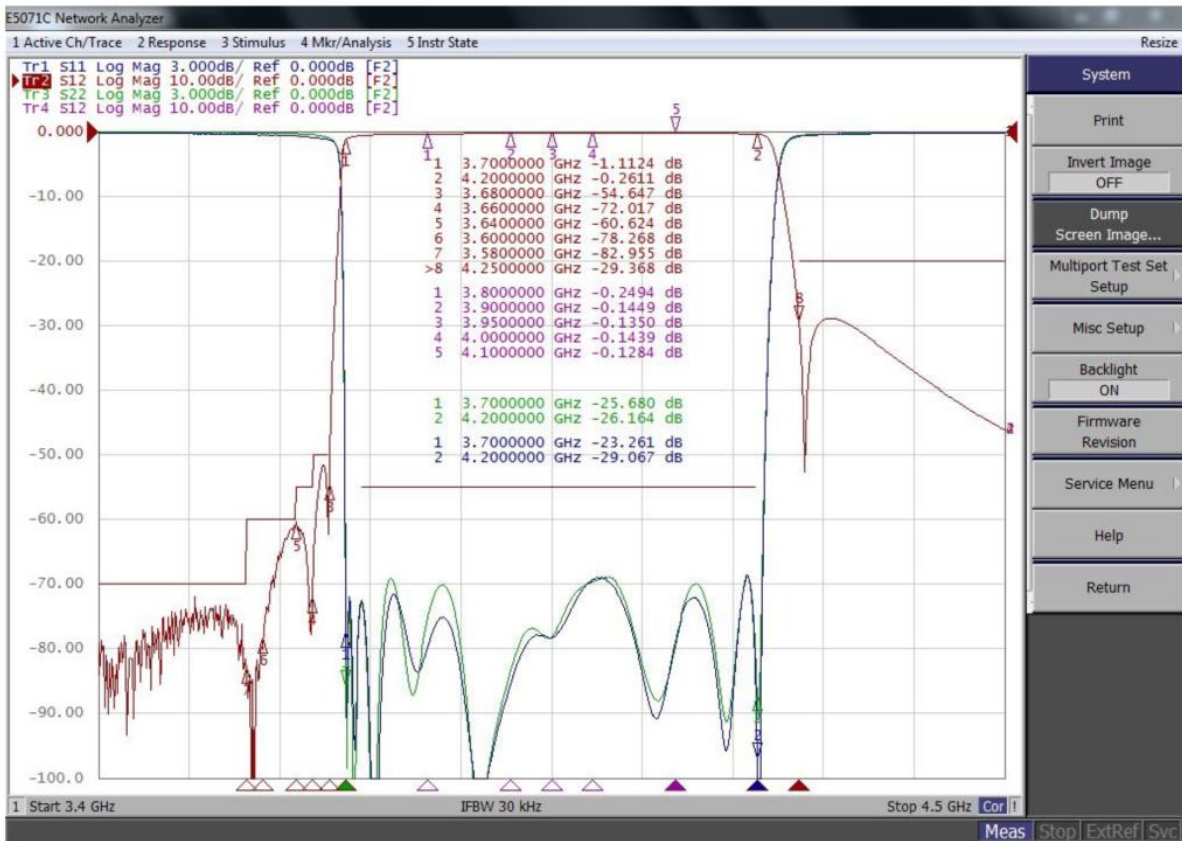
Dimensions, HxWxD (mm)	150x98.4x69.9
Weight (+ connectors and mounting bracket) (kg)	0.76
Packing Size (mm)	190x173x132
Connector Type (Grooved)	CPR-229G(input), CPR-229F(output)
Color	Apple White
Mounting	Standard Mounting



- ☑ HS Code 8517700000
- ☑ Moisture resistant (IP66)
- ☑ Design in USA

Environmental Specifications	
Operational Temperature (°C)	-40 to +65
Operational Humidity (%)	≤95
Ingress Protection Class	IP66(Indoor and Outdoor)
Accessories(order separately)	
Type No.	Description
Bolt M6*25	20PCS
Rectangular waterproof ring	1PCS





Test report cert