



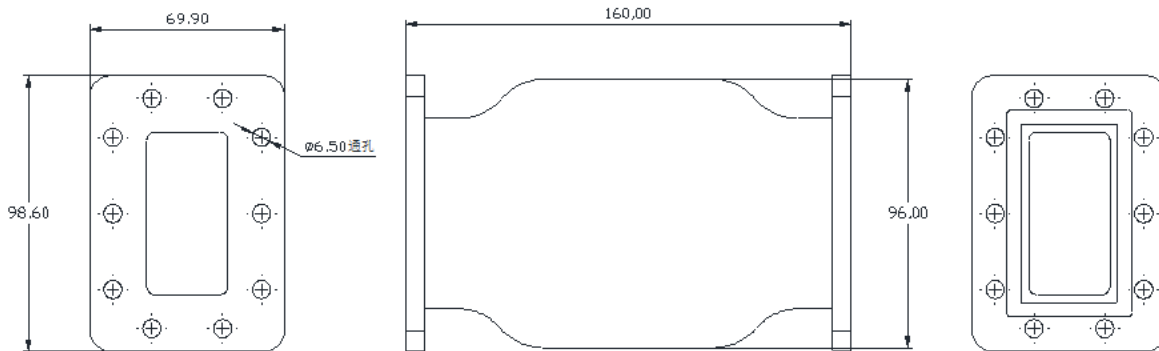
Model Number:
F-WGC1-714044

RF Components

C-Band Waveguide Bandpass Filter

3800 - 4200 MHz

Physical Dimensions ($\pm 0.3\text{mm}$)



Filter

RF Parameters		
F-WGC1-714044	CGCF	
Waveguide Size	WG11A / WR229 / R40	
Frequency Range (MHz)	3800-4200	
Input Connectors	CPR229G	
Output Connectors	CPR229F	
Insertion Loss (dB max)	0.5	
Return Loss (dB min)	18	
Group Delay / Ripple (ns)	17 / 12.5	
Rejection	Radar	≥ 30 dB @ 4230-4400 MHz ≥ 50 dB @ 4400-4500 MHz ≥ 70 dB @ 5850-6500 MHz
	5G	≥ 50 dB @ 3750 MHz ≥ 80 dB @ 3400 MHz
Max RF Power (W)	100	

Environmental	
Operating Temperature	-20 °C to +50°C
Storage Temperature	-55°C to +85°C
Location	For Indoor / outdoor use IP 65 rated
Altitude:	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Humidity:	95%RH at 40°C
Material	Aluminium
Finish	White paint

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport

