

Features

- Low Insertion Loss
- High Attenuation
- High Power Handling
- Compact Size
- Quad Design

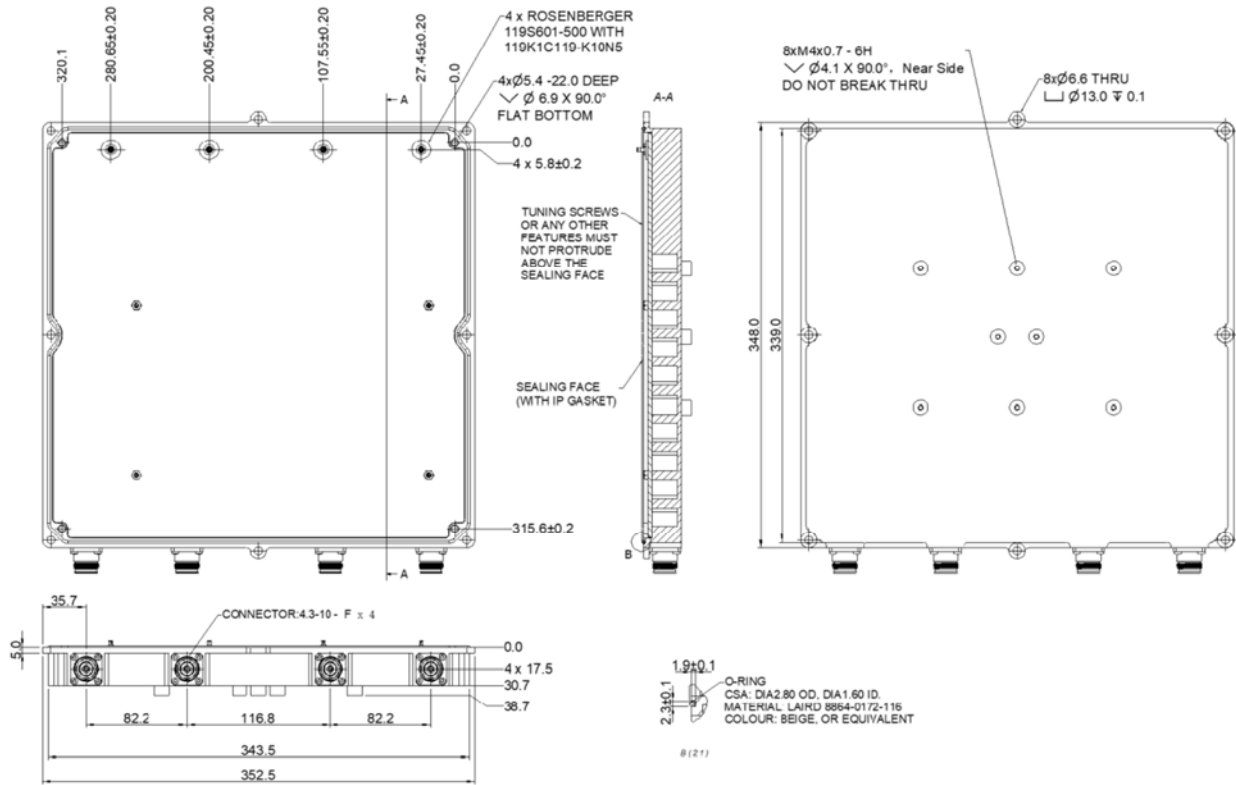
Descriptions

Connector mount Quad cavity bandpass filter developed for E-UTRA band-40 applications.

Electrical Specifications

Parameter	Unit	Specification
Center Frequency (Fc)	MHz	2350
Passband Frequency Range	MHz	2300 ~ 2400
Insertion Loss over 5 MHz	dB	1.0 max
Insertion Loss	dB	1.2 max
Passband Ripple across any 5 MHz	dB	0.5 max
Return Loss in Passband	dB	20 min at RT; 18 min over temp. range
Attenuation	dBc	80 min @ DC ~ 2200 MHz
		25 min @ 2200 ~ 2280 MHz
		15 min @ 2280 ~ 2290 MHz
		15 min @ 2410 ~ 2420 MHz
		25 min @ 2220 ~ 2496 MHz
		75 min @ 2496 ~ 5500 MHz
		20 min @ 5500 ~ 12750 MHz
Isolation between Channels	dB	60 min
In / Out Impedance	Ohms	50
Power Handling	W	0.5W CW max; 800W peak max (Peak power represents the peak instantaneous power into the specified worst case antenna return loss: 10 dB)
Operating Temperature Range	°C	-40 ~ +85
IP Class	-	IP67 outdoor with mated RRH IP67 4.3-10 female connector
Lightening Protection All Ports	-	5kA, 8/20 μS pulse; 20kA, 1.2/50 μS mixed wave
EMC/EMI	-	NEBS GR-1089-CORE and EN 55022
Safety	-	EN 60950
DC/AISG Transparency	-	All port DC Impedance Grounded
Dimensions	mm	352.5 x 348 x 38.7 (L x W x H)
Finish	-	Powder coating, RAL7047
ROHS	-	2.0 Compliant
Weight	Kgs	6 max (TBD)
Connectors	-	4.3-10 female ANT ports, p-SMP Tx/Rx ports
MTBF (Telcordia SR-332 @ 40°C)	hours	2000000 min
Lifetime	years	20 min

Mechanical Dimensions



Electrical Responses

