

Features

- Low Insertion Loss
- 7/16 DIN Connectors
- High Q
- High Power

Descriptions

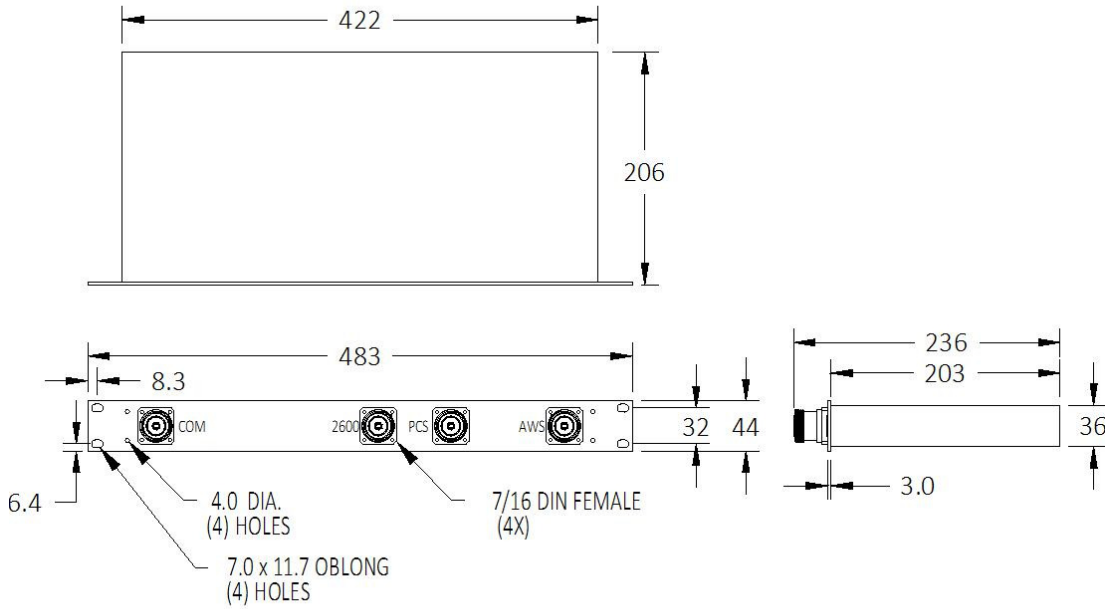
Rack mountable triplexer used for PCS, AWS, LTE

Applications

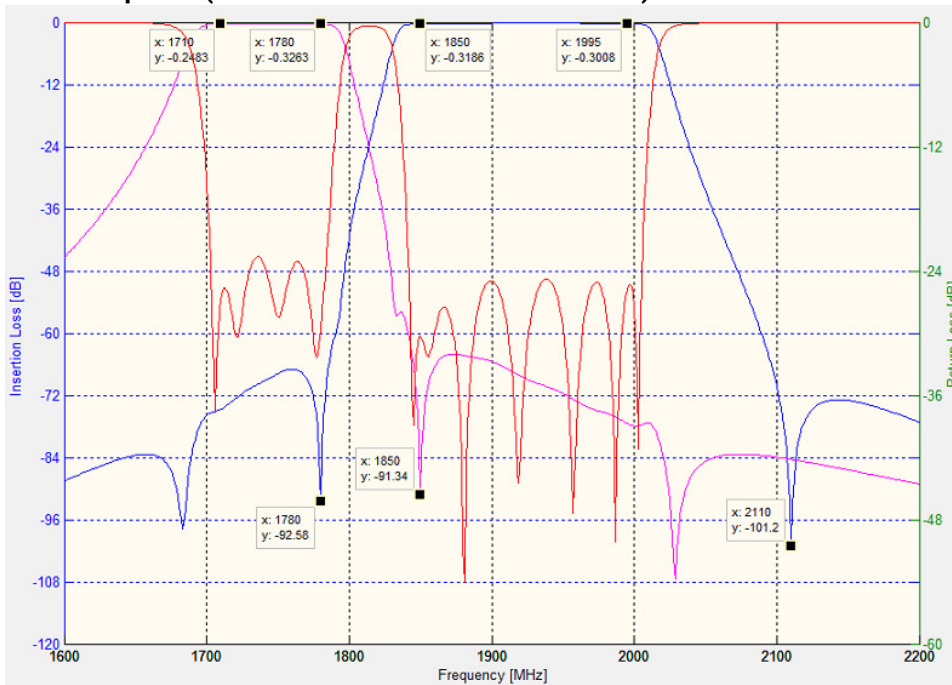
Electrical Specifications

Parameter	Unit	Specification		
		PCS	AWS	LTE
Center Frequency (Fc)	MHz	1900	1732 2132	2600
Passband Frequency Range	MHz	1850 - 1995	1710 - 1780 2110 - 2180	2498 - 2690
Insertion Loss in Passband	dB	0.35 dB Typical (0.4 dB max.)		
Return Loss in Passband	dB	20.0 min into 50 Ω		
Attenuation at Reject Band	dBc	60 dB @ 1710-1780 MHz	60 dB @ 1850-1995 MHz	60 dB @ 1710-2180 MHz
		60 dB @ 2110-2690 MHz	60 dB @ 2498-2690 MHz	
IMD	dBc	-155 dBc typical with 2 tones at +43dBm min.		
Operating Input Power	Watts	100 Watts CW min.		
Dimensions	mm	206.0 x 422.0 x 44.5 mm @ (Without connectors & Panel – 1U Rack Mount)		
Connectors	-	7/16 DIN (Long Neck)		
Enclosure Requirements		Indoor (IP20 Minimum)		
Operating Temperature	°C	0 to +65		
Operating Humidity	%	0-45		

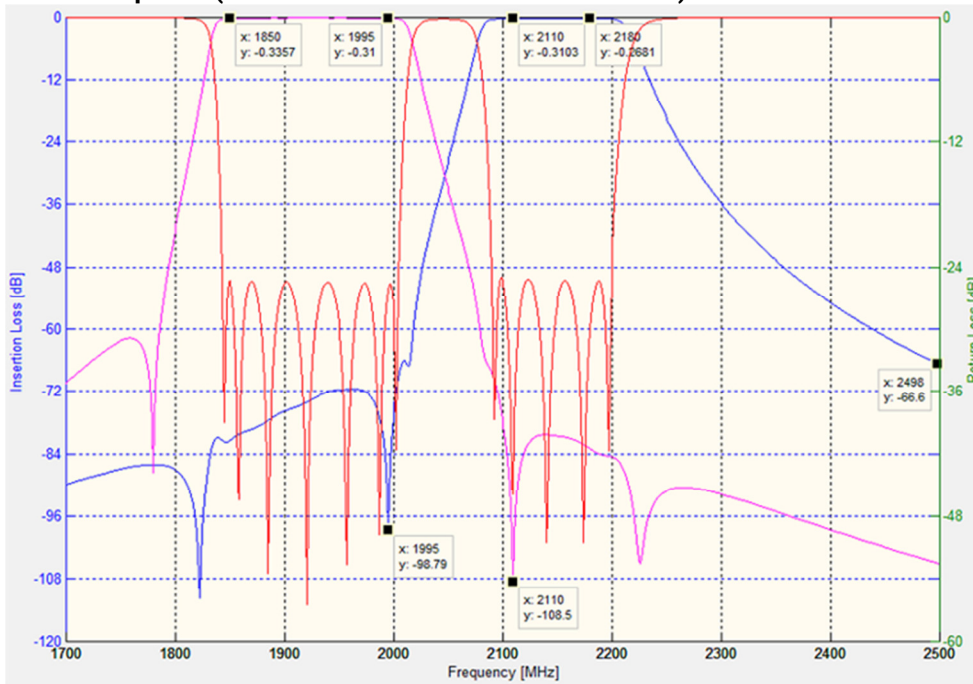
Mechanical Drawing (Preliminary)



Electrical Response (1710-1780 MHz & 1850-1995 MHz)



Electrical Response (1850-1995 MHz and 2110-2180 MHz)



Electrical Response (2110-2180 MHz & 2498-2690 MHz)

