

MPX4-000004A1

GSM, GPS, WiFi & IRIDIUM Bands Ceramic Quadruplexer

Rev 2 – Original Revision Date: July 11, 2014 – Revision Date: September 30, 2015

Features

- Low Insertion Loss
- High Attenuation
- Compact Size
- SMA Connector Mount

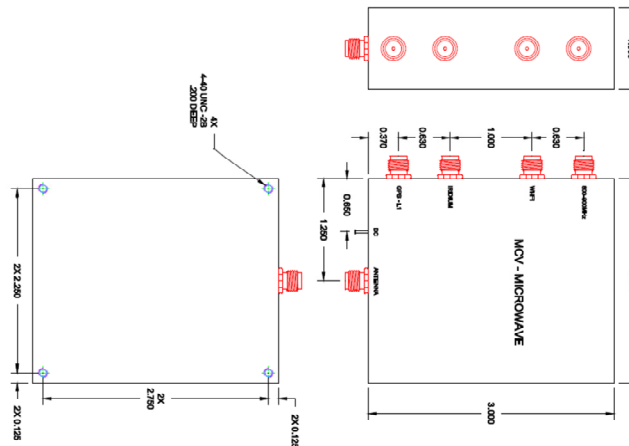
Descriptions

SMA connector mount ceramic multiplexer developed for GSM, GPS, WiFi and IRIDIUM bands applications.

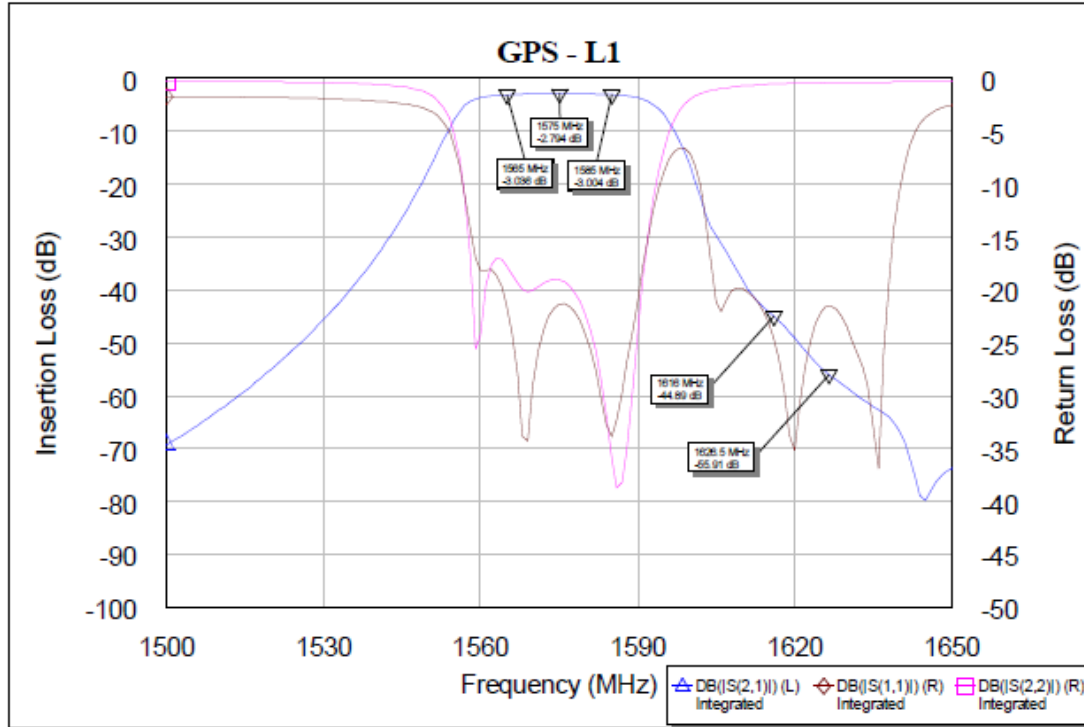
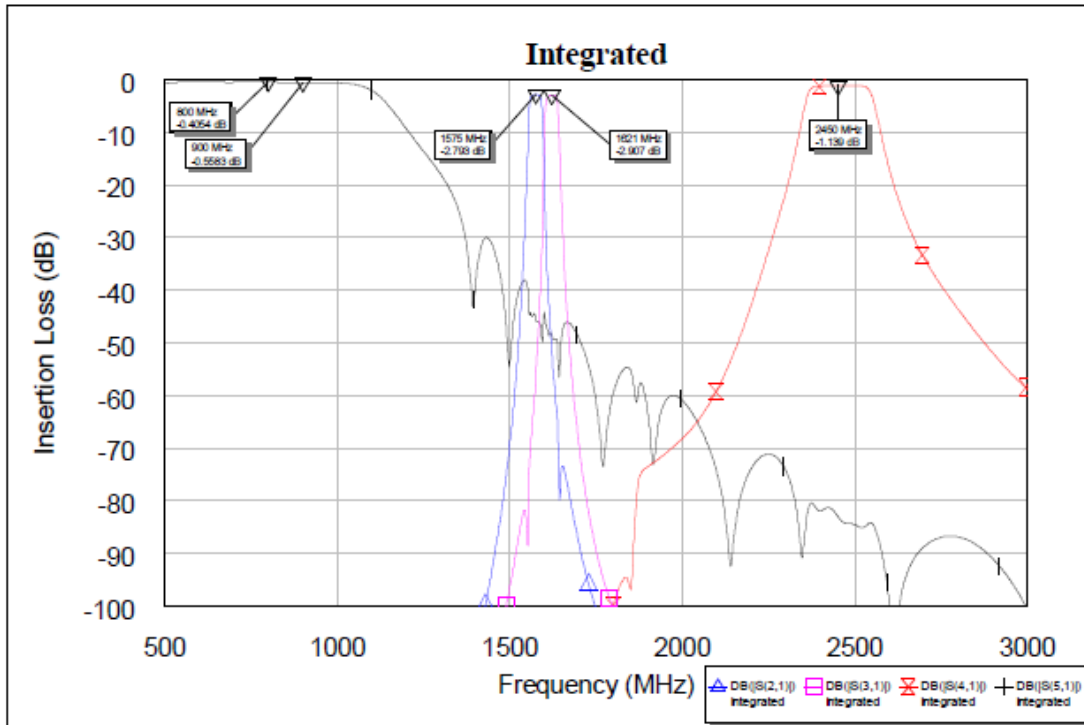
Electrical Specifications

Parameter	Unit	Specification			
		GSM	GPS	IRIDIUM	WiFi
Center Frequency	MHz	850	1575	1621.25	2450
Passband Frequency Range	MHz	800~900	1565~1585	1616~1626.5	2400~2500
Insertion Loss in Passband	dB	1.0 max	5.5 max	5.5 max	1.5 max
Ripple in Passband	dB	0.5 max	2.5 max	2.5 max	1.2 max
Return Loss in Passband	dB	15.0 min	15.0 min	15.0 min	15.0 min
Attenuation	dBc	30@1565~1575MHz	30@800~900MHz	30@800~900MHz	30@800~900MHz
		30@1616~1626.5MHz	30@1616~1626.5MHz	30@1565~1575MHz	30@1565~1575MHz
		30@2400~2500MHz	30@2400~2500MHz	30@2400~2500MHz	30@1616~1626.5MHz
Isolation	dBc	30 min			
Input Power	watt	1.0 CW max			
In/Out Impedance	Ohm	50			
Operating Temperature	°C	0 ~ +25			
Dimensions	inch	3.0 x 2.5 x 1.0 (L x W x H)			

Mechanical Drawing



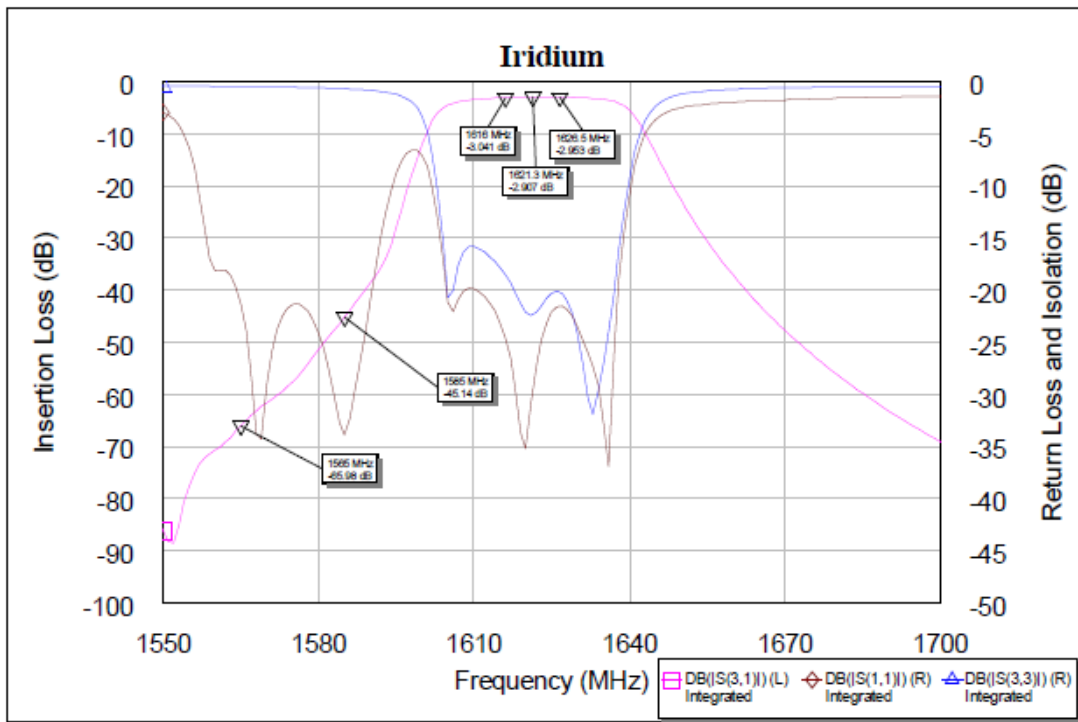
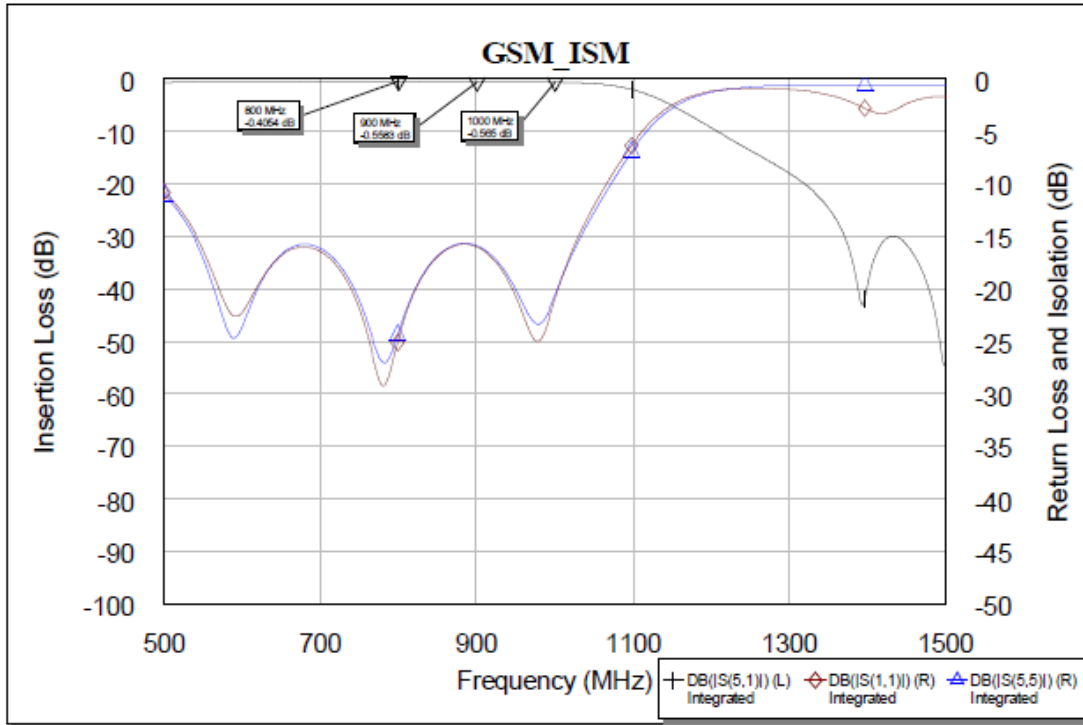
Electrical Responses



MPX4-000004A1

GSM, GPS, WiFi & IRIDIUM Bands Ceramic Quadraplexer

Rev 2 – Original Revision Date: July 11, 2014 – Revision Date: September 30, 2015



MPX4-000004A1

GSM, GPS, WiFi & IRIDIUM Bands Ceramic Quadraplexer

Rev 2 – Original Revision Date: July 11, 2014 – Revision Date: September 30, 2015

