ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

751 MHz RF-Rx Balanced Saw Band Pass Filter

Part Number: AM751S1105

ISO 9001 REGISTERED FIRM

Electrical Specifications:

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	751	-
Insertion Loss within 746.0~756.0 MHz	dB	-	2.0	3.0
Amplitude Ripple within 746.0~756.0 MHz	dBp-p	-	0.5	2.2
Amplitude Balance within 746.0~756.0 MHz	dB	-1.0	-0.1~+0.2	+1.0
Phase Balance within 746.0~756.0 MHz	Deg	-10	-1.0~+1.0	+10
VSWR within 746.0~756.0 MHz	-	-	1.8	2.2
Attenuation:				
DC~716.0 MHz	dB	45	66	-
716.0~722.0 MHz	dB	40	55	-
777.0~787.0 MHz	dB	48	55	-
808.0~818.0 MHz	dB	43	48	-
1400.0~2300.0 MHz	dB	50	65	-
2300.0~3000.0 MHz	dB	44	58	-
3000.0~4000.0 MHz	dB	35	52	-
4000.0~5000.0 MHz	dB	30	47	-
5000.0~6000.0 MHz	dB	25	47	

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-		
Maximum Input Power	dBm	15		
Source Impedance (Single Ended)$_1$	Ω	50		
Load Impedance (Single Ended)$_1$	Ω	100		
Package Size and Type	mm	1.1 x 0.9 x 0.5	C31	

Notes: (1) No Matching Network.

70 Outwater Lane **Phone: (973) 772-4242**
Garfield, NJ 07026 **Fax : (973) 772-4646**
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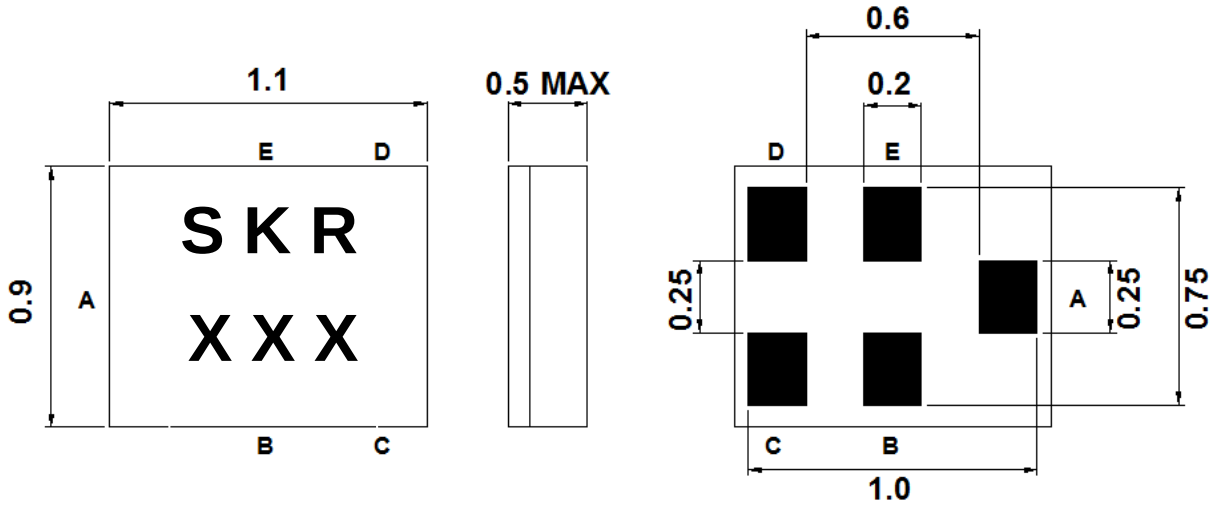
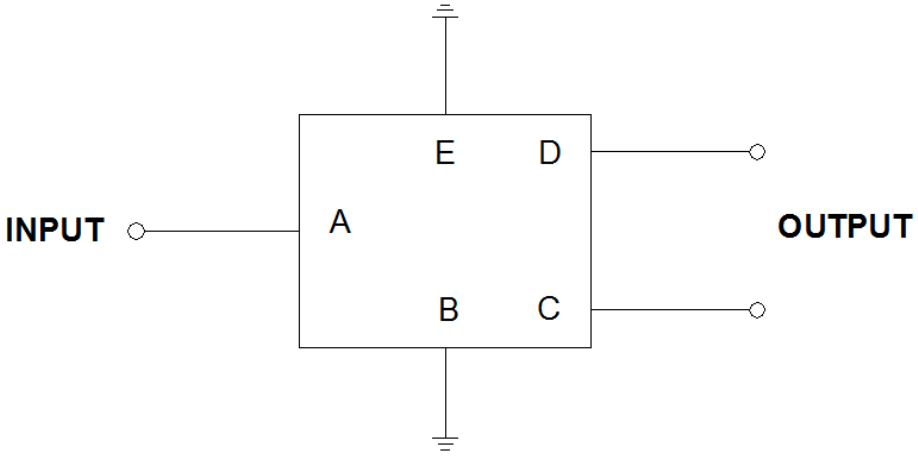
Outline Drawing:



Marking Descriptions	
S	Model
KR	Series Number
XXX	Date Code(Year+Month+LOT)

Pin Description	
B, E	Ground
A	Input
C,D	Balanced Output

Testing Environment:



Source Impedance: 50 Ω
Load Impedance: 100 Ω

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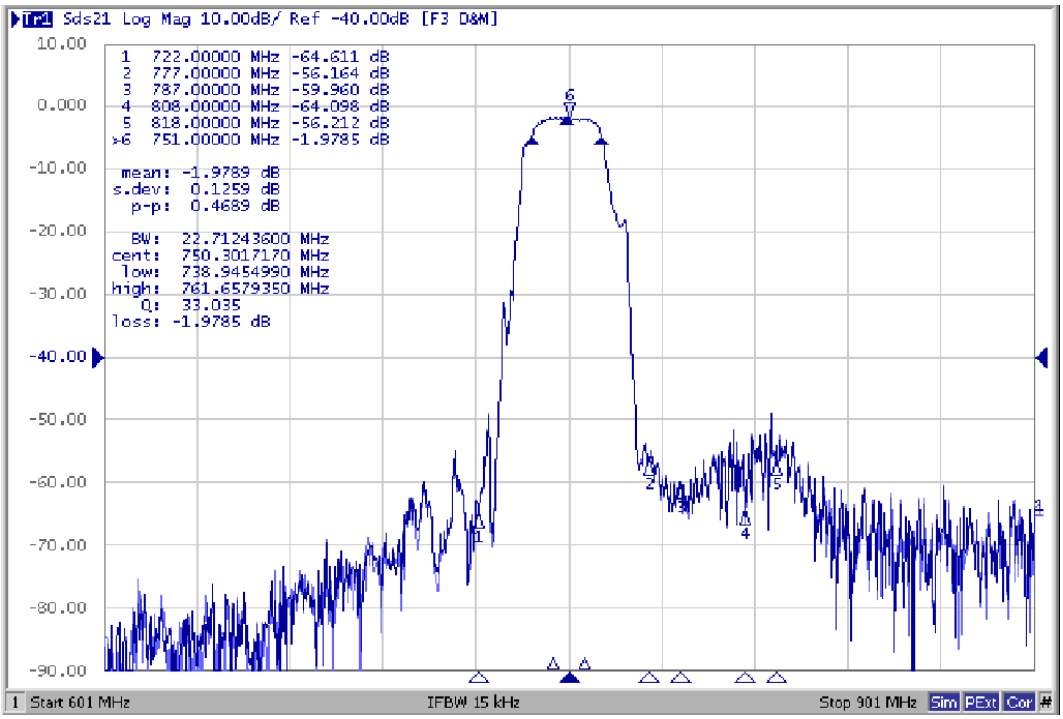
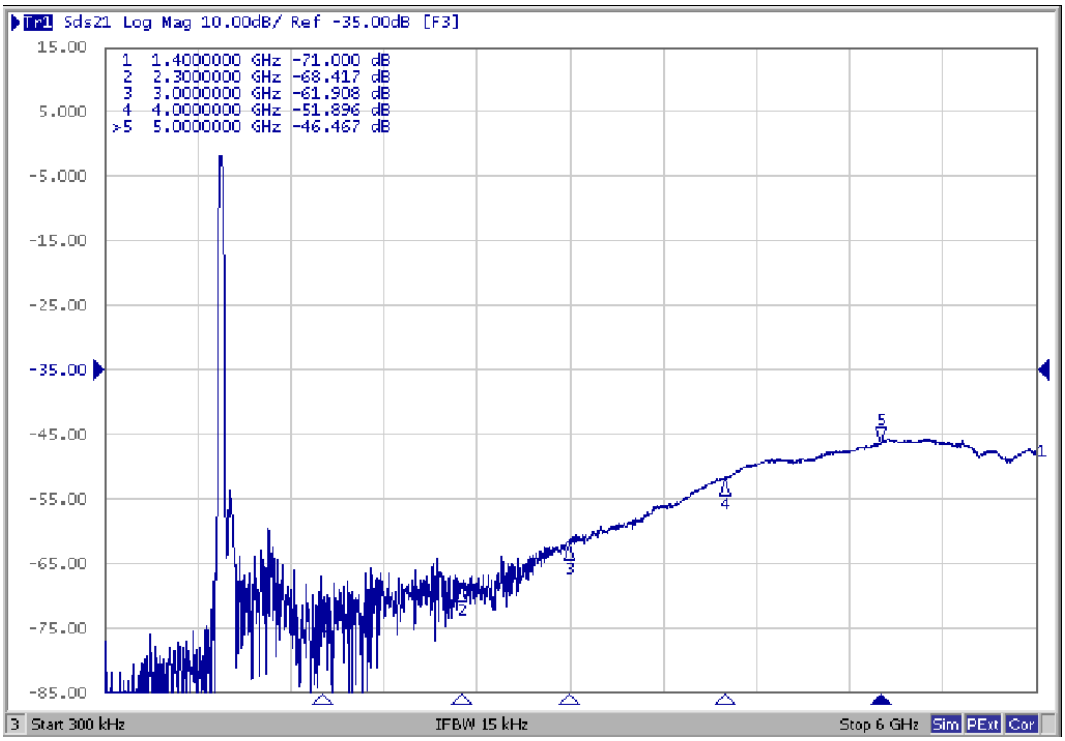
Frequency Response:





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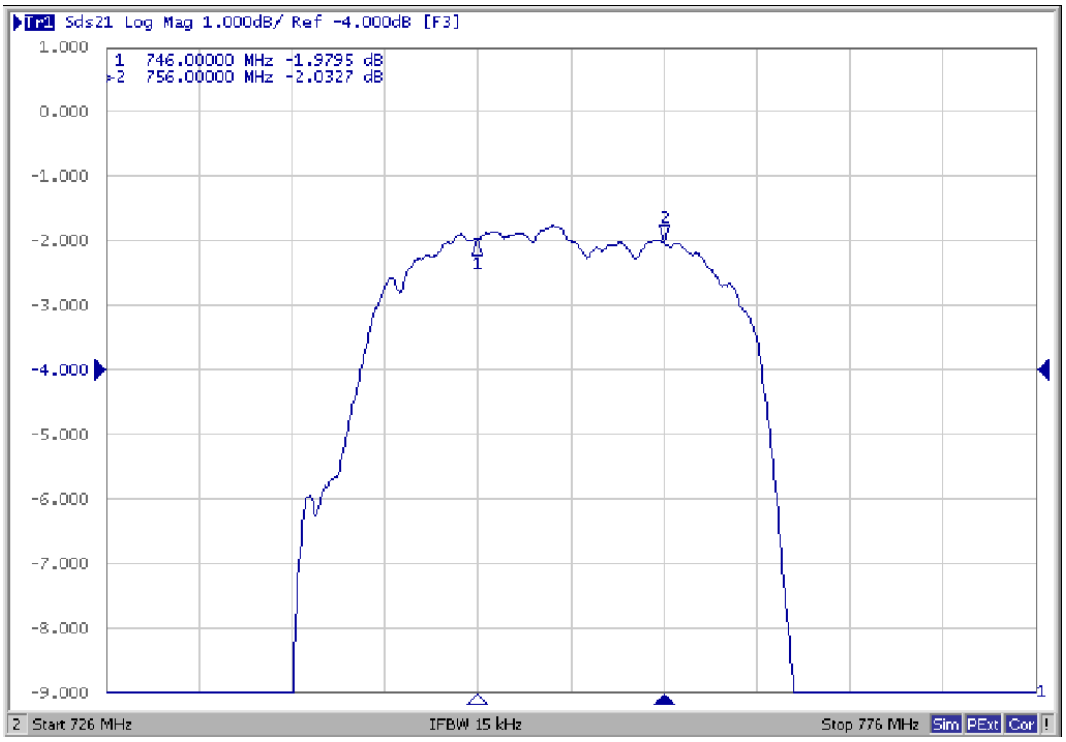
VSWR:

Ripple:



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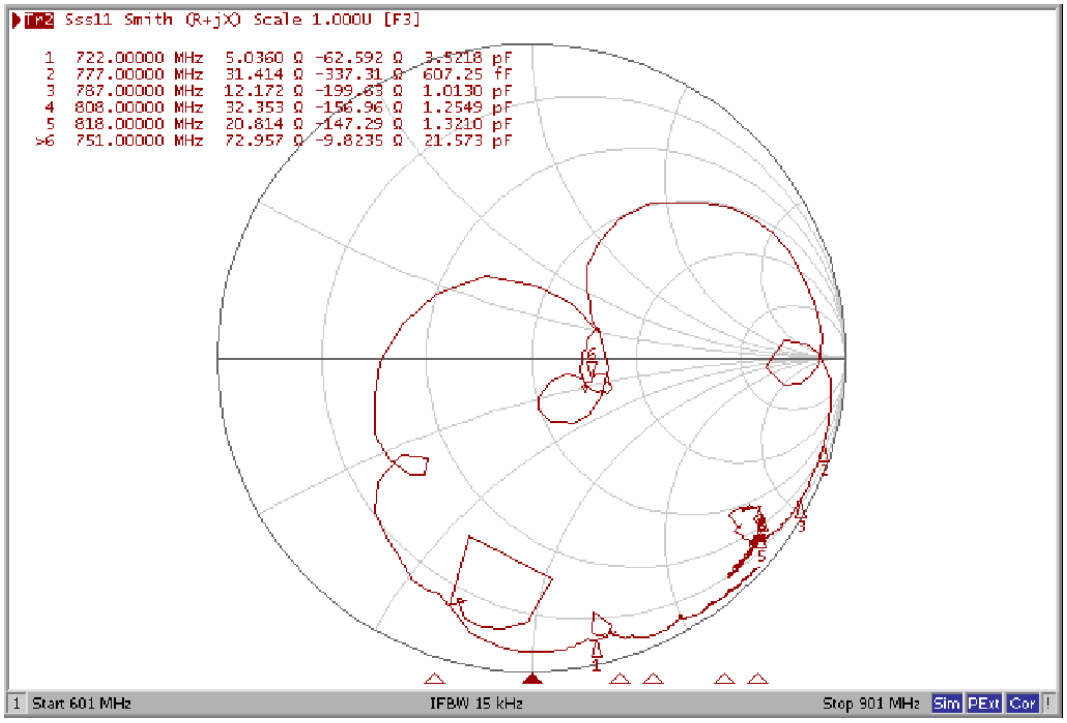
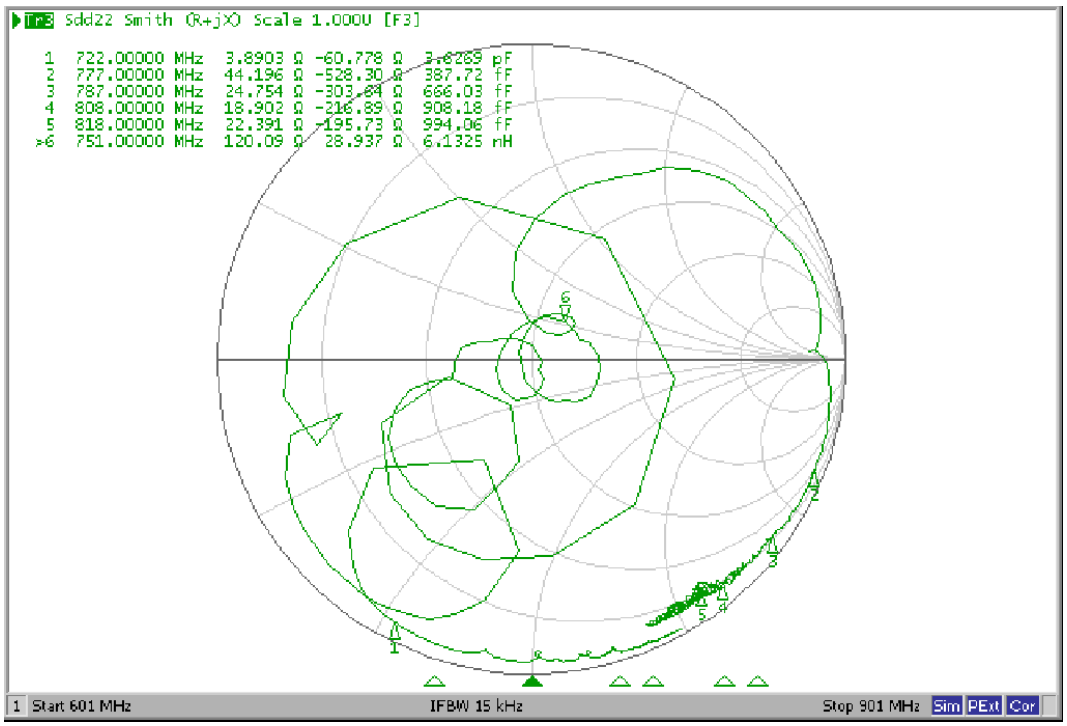
Smith Chart:





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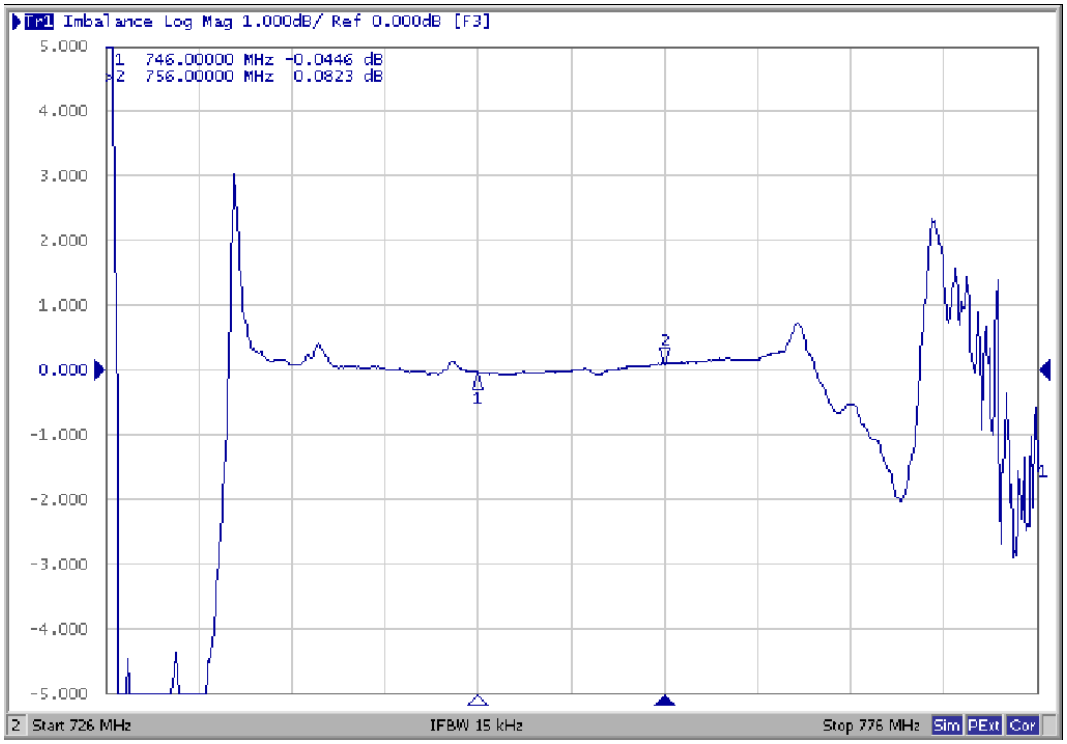
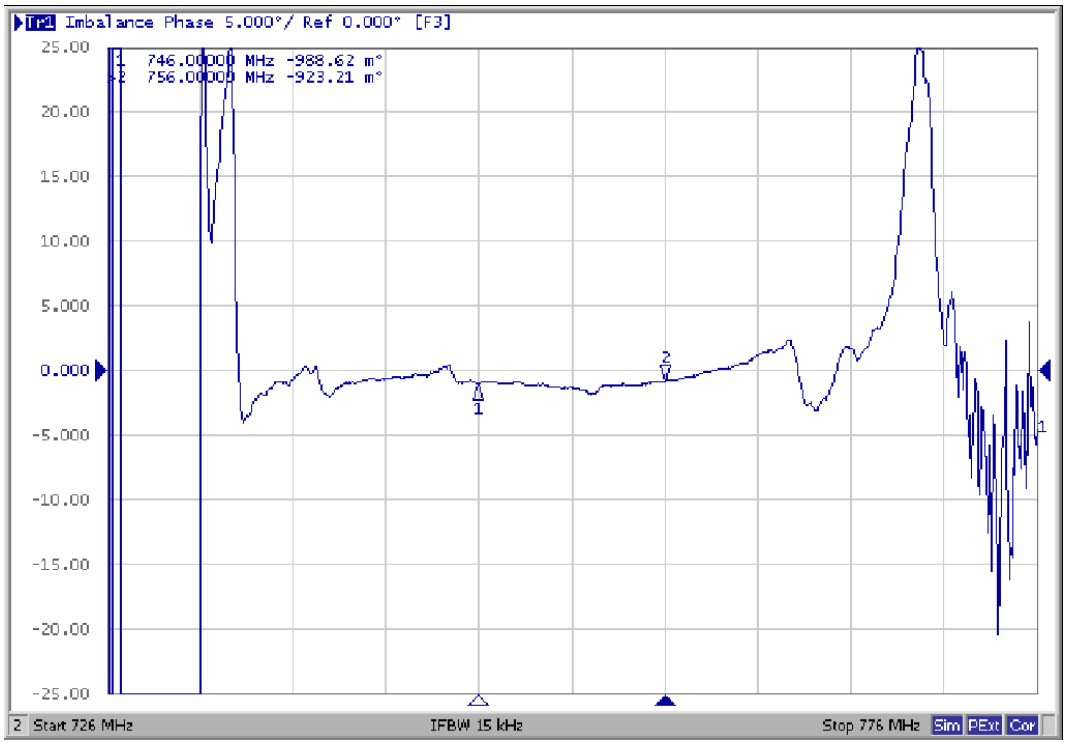
Amplitude Balance:



Phase Balance:



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