ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

836.5 MHz / 881.5 MHz Saw Duplexer

Part Number: AM836-881SD383

ISO 9001 REGISTERED FIRM

Electrical Specifications:

Tx_836.5 MHz					
Parameters Description	**Condition (MHz)**	**Unit**	**Minimum**	**Typical**	**Maximum**
Insertion Loss	824 ~ 849	dB	-	1.5	2.2
Ripple	824 ~ 849	dB_{p-p}	-	0.4	1.0
VSWR	824 ~ 849	-	-	1.9	2.4
Absolute Attenuation	859	dB	4	9	-
	869 ~ 894	dB	45	50	-
Rx_881.5 MHz					
Insertion Loss	869 ~ 894	dB	-	2.0	3.0
Ripple	869 ~ 894	dB_{p-p}	-	0.8	1.5
VSWR	869 ~ 894	-	-	1.7	2.2
Absolute Attenuation	824 ~ 849	dB	50	58	-
	859	dB	4	13	-
Rx → Tx					
Isolation	824 ~ 849	dB	50	55	-
	869 ~ 894	dB	48	53	-

Maximum Ratings:

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	0		
Maximum Input Power	W	1.2W > 50000 Hours, CW tone (Ta= +50°C)		
Ant. Tx. Rx. Terminating Impedance	Ω	Ant, Tx, Rx : 50 Ω		
Package Size and Type	3.8 x 3.8 x 1.45 mm C1			

Notes: Including losses due to Test PCD (0.3 dB)

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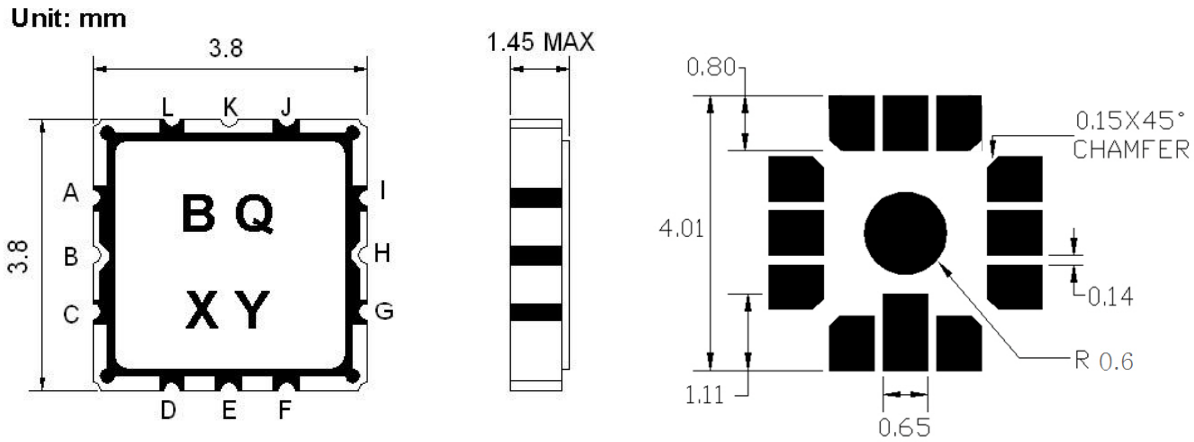
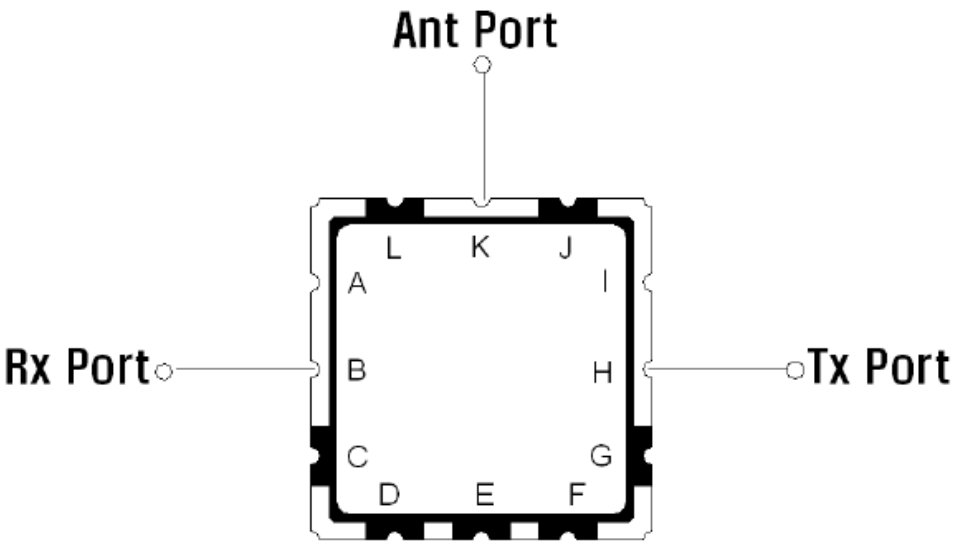
Outline Drawing:



Marking Descriptions	
B	CDMA800 Application
Q	SAW Duplexer
X	Date Code(Year)
Y	Date Code(Month)

Pin Description	
A, C, D, E, F, G, I, J, L	Ground
B	Rx Port(881.5MHz)
K	Antenna
H	Tx Port (836.5MHz)

Testing Environment:



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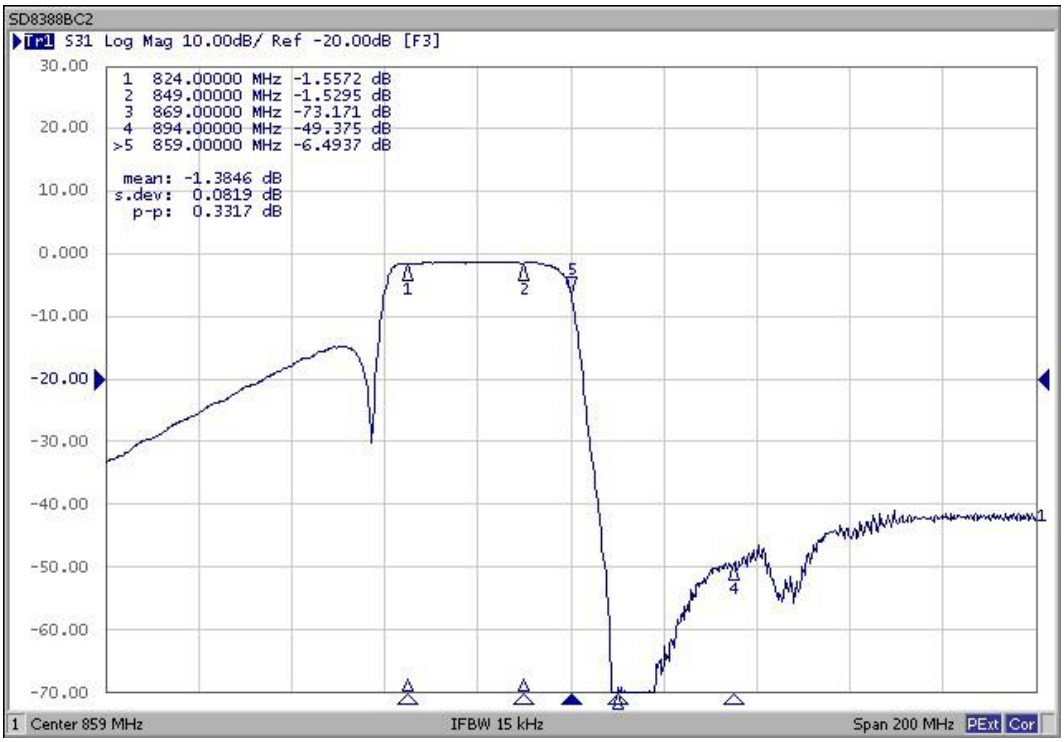
Tx Characteristic:



Rx Characteristic:

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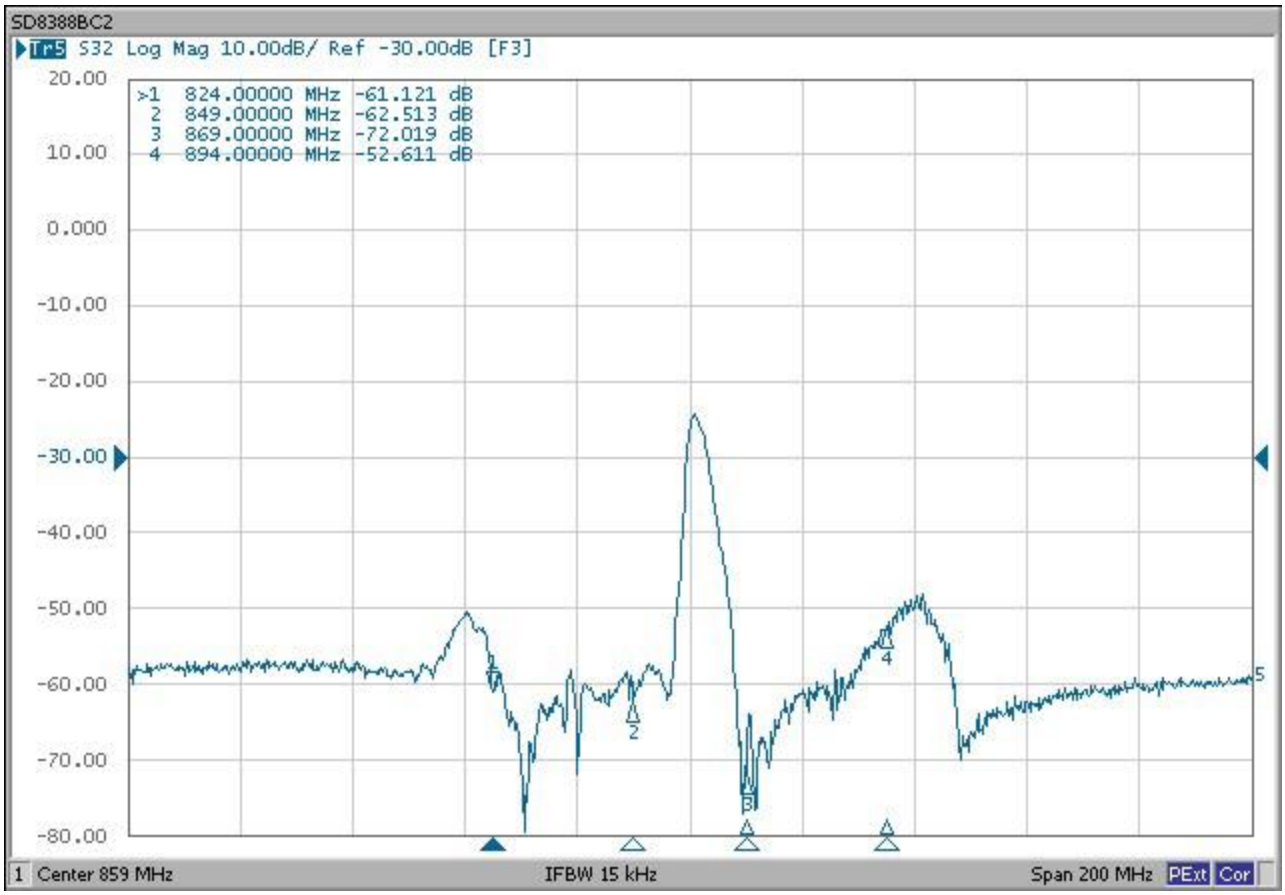
Isolation Characteristic:



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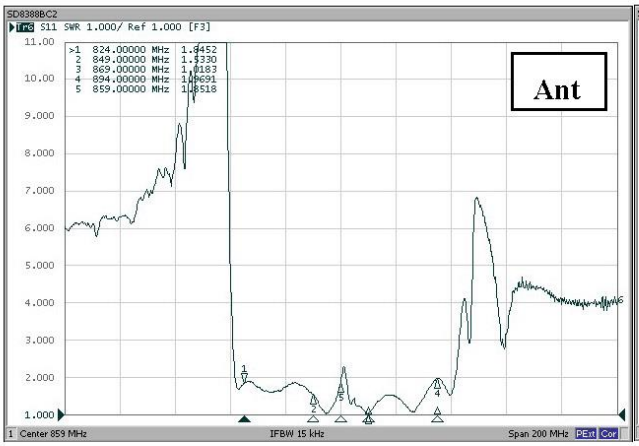
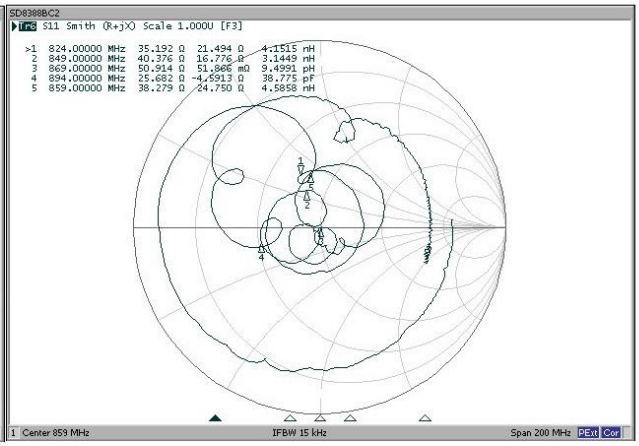
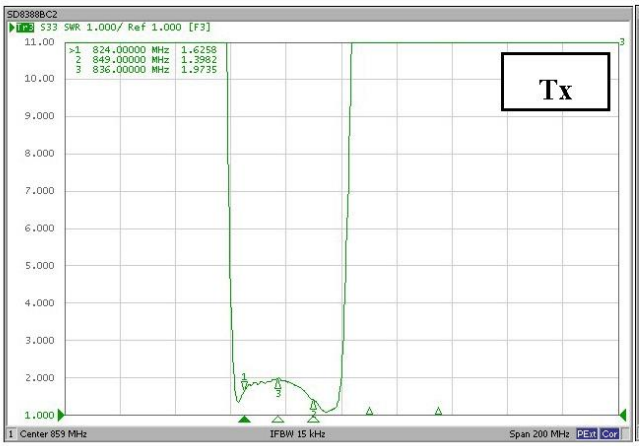
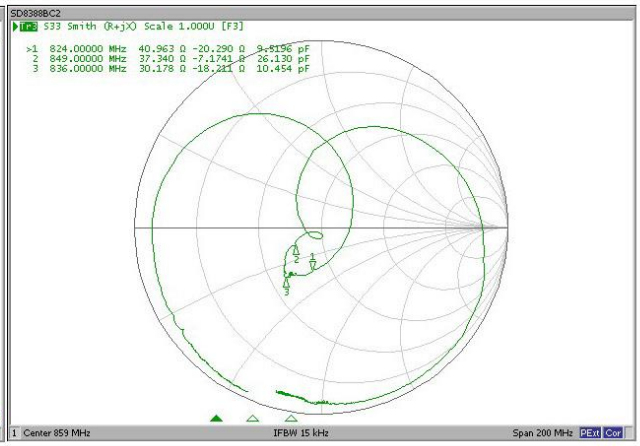
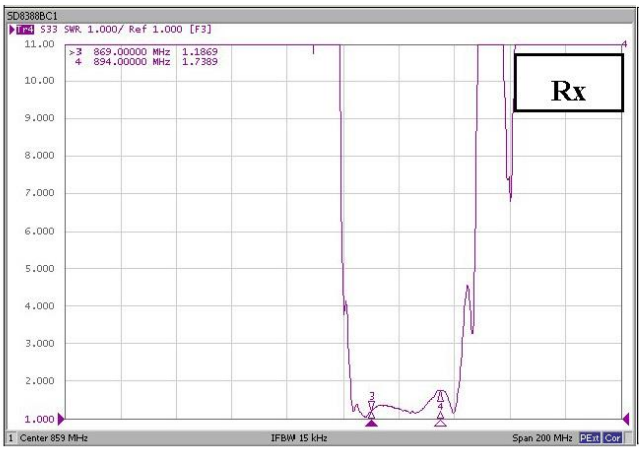
VSWR and Smith Chart:

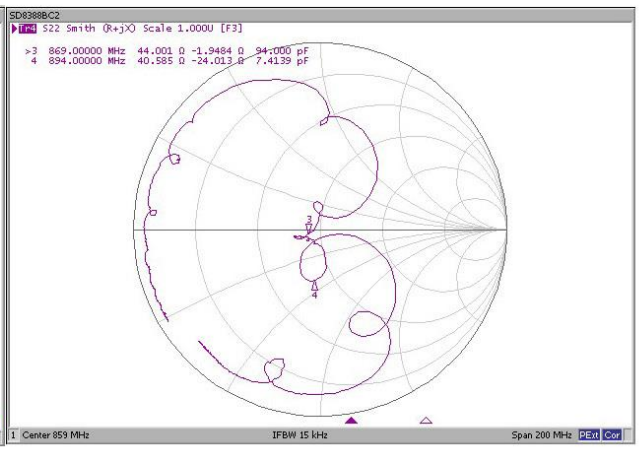












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