

- CDMA SAW Duplexer
- Revision 1: November 2008

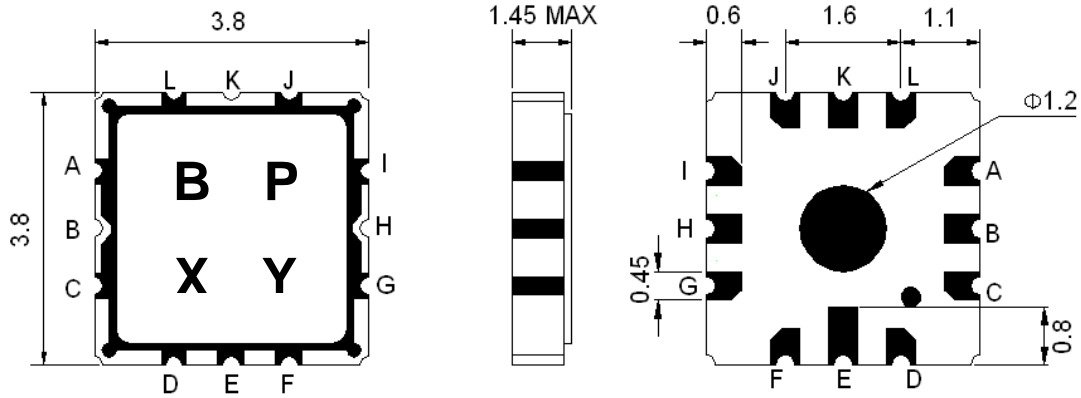
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating 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	-	50	-
Package type	C1			
Length x Width	mm ²	-	3.8 x 3.8	-
Height	mm	-	-	1.45

ELECTRICAL SPECIFICATION					
PARAMETERS	CONDITION [MHZ]	UNIT	MINIMUM	TYPICAL	MAXIMUM
Tx_836.5MHz		Specifications			
Insertion Loss	824 ~ 849	dB	-	1.5	2.2
Ripple	824 ~ 849	dBp-p	-	0.4	1.0
VSWR	824 ~ 849	-	-	1.9	2.4
Absolute Attenuation	859	dB	4	9	-
	869 ~ 894	dB	45	50	-
Rx_881.5MHz		Specifications			
Insertion Loss	869 ~ 894	dB	-	2.0	3.0
Ripple	869 ~ 894	dBp-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		Specifications			
Isolation	824 ~ 849	dB	50	55	-
	869 ~ 894	dB	48	53	-

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

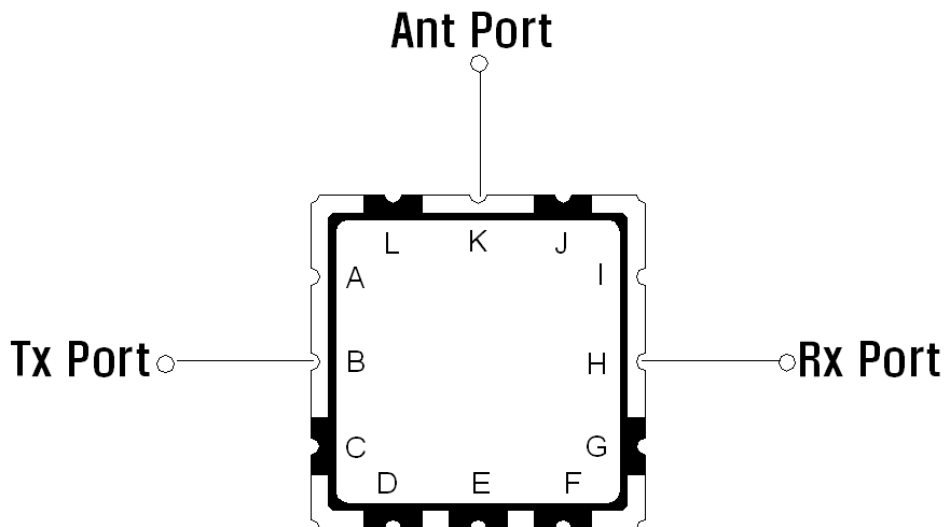
Package Dimensions



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

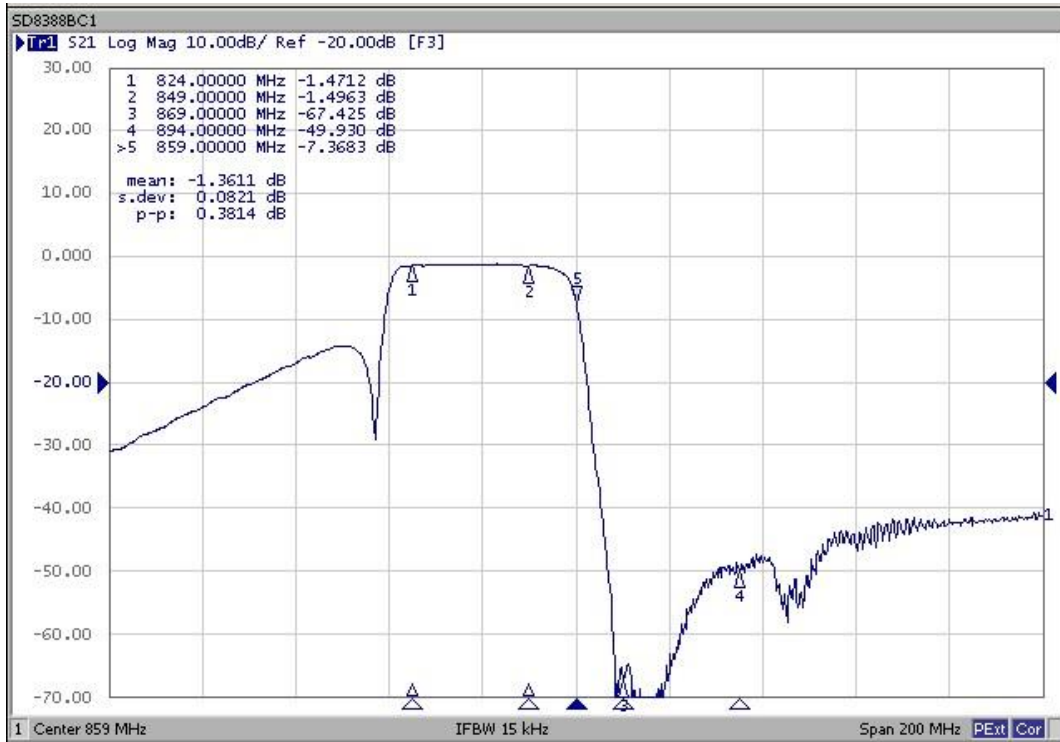
Pin Description	
A, C, D, E, F, G, I, J, L	Ground
H	Rx Port(881.5MHz)
K	Antenna
B	Tx Port (836.5MHz)

Testing Environment

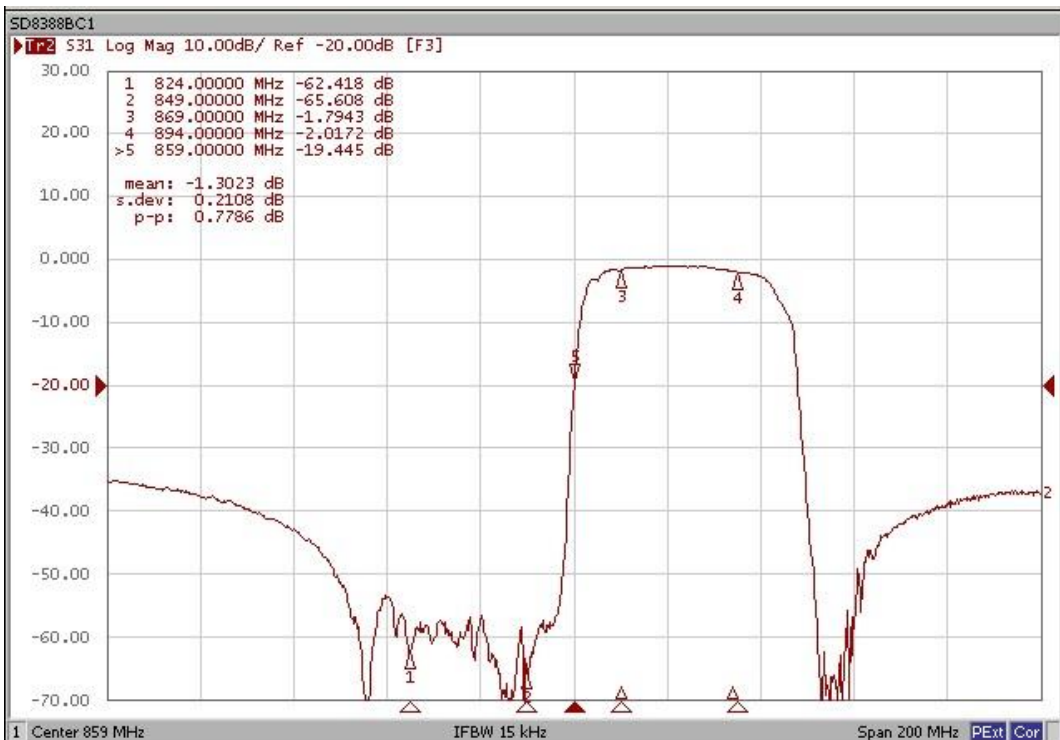


Frequency Characteristics

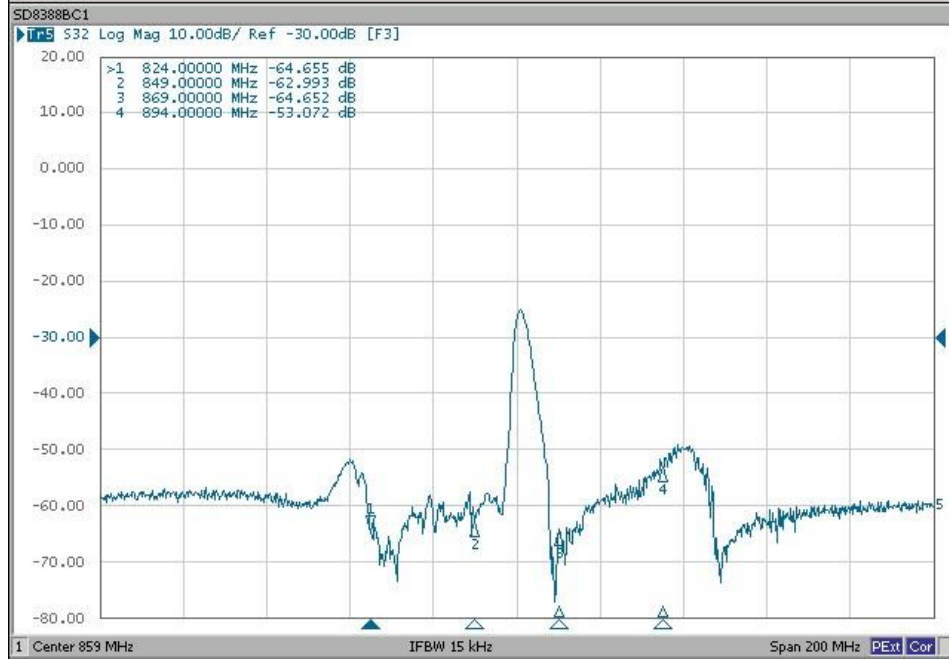
Tx Characteristic



Rx Characteristic



Isolation Characteristic



VSWR & Smith Chart

