



**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	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_881.5 MHz					
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					
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)



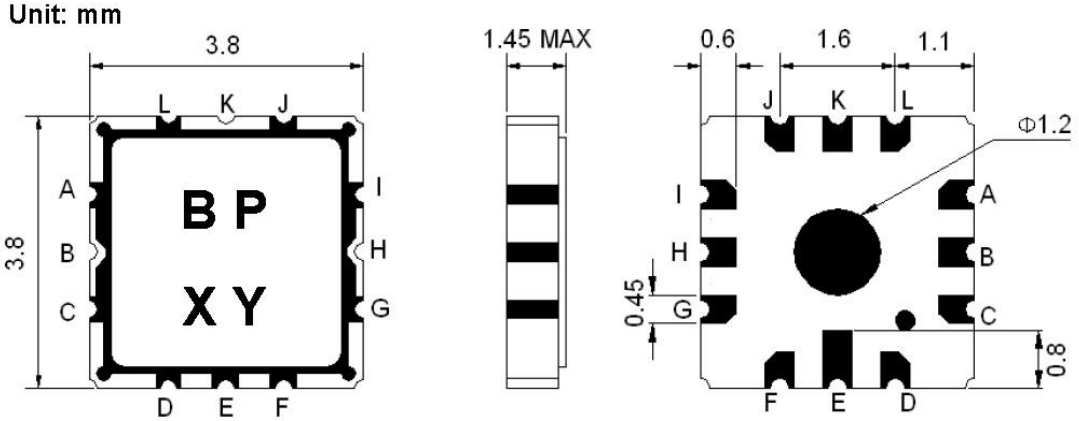
# 836.5 MHz / 881.5 MHz Saw Duplexer

## Part Number: AM836-881SD382



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

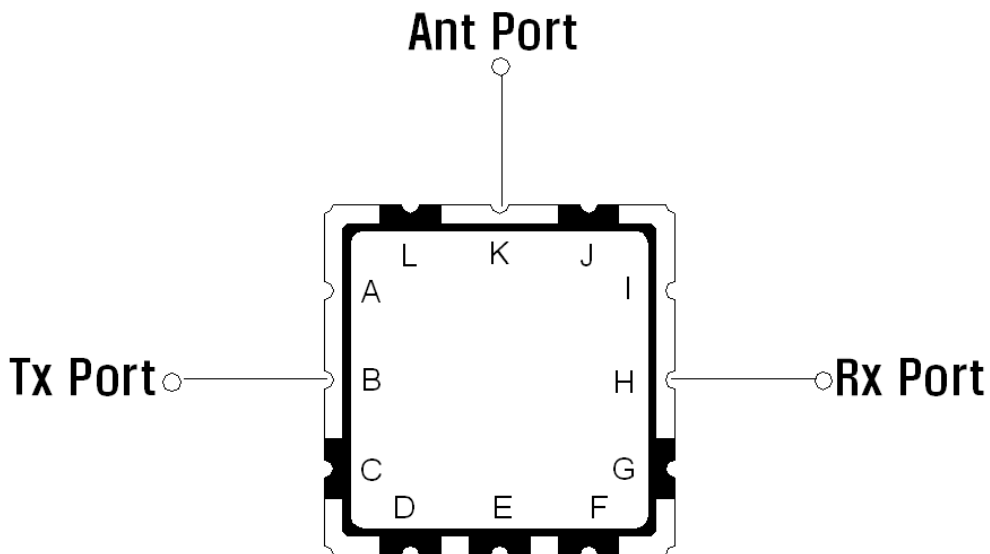
### Outline Drawing:



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

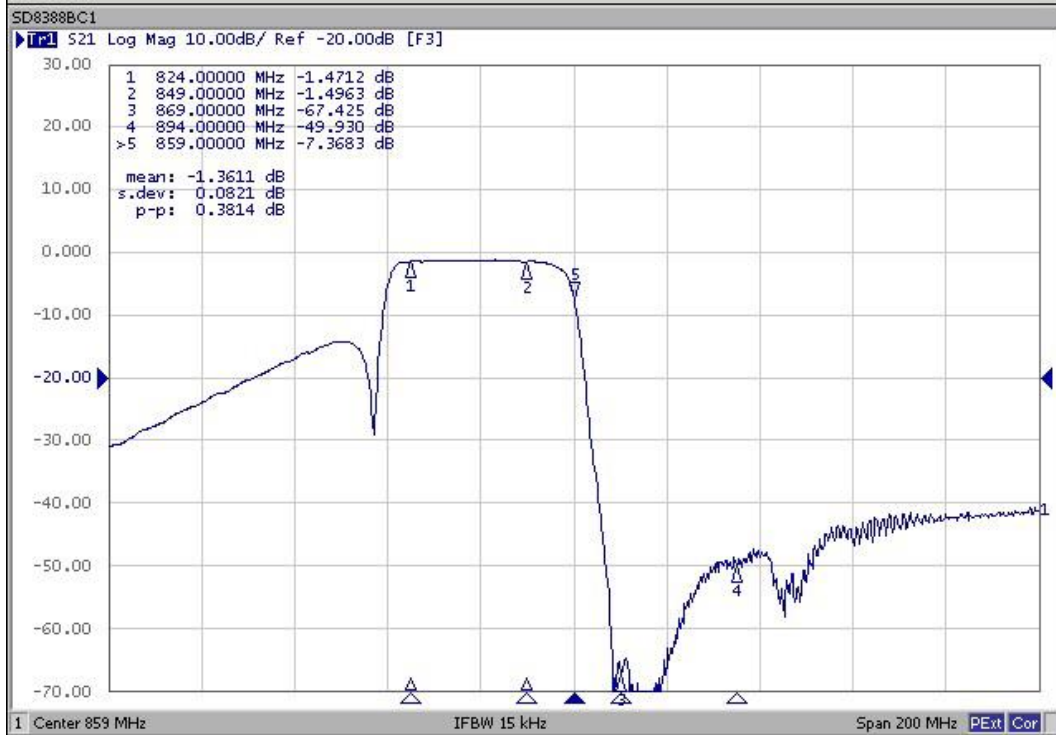
Pin Description	
A, C, D, E, F, G, I, J, L	Ground
H	Rx Port(881.5MHz)
K	Antenna
B	Tx Port (836.5MHz)

### Testing Environment:

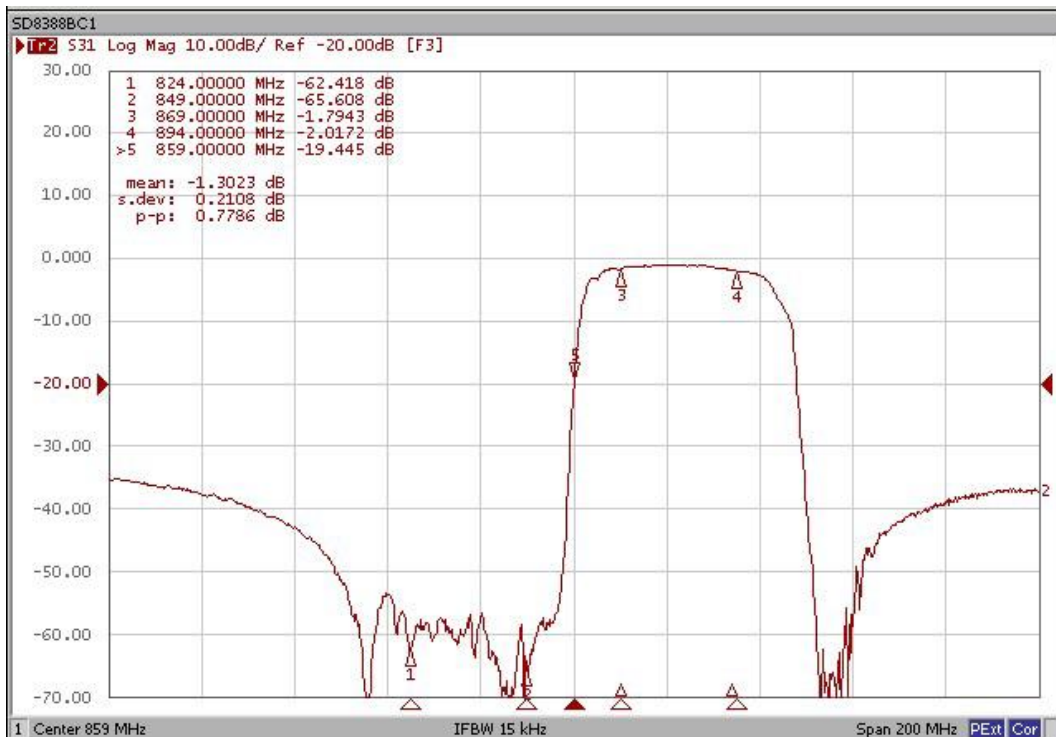




### Tx Characteristic:

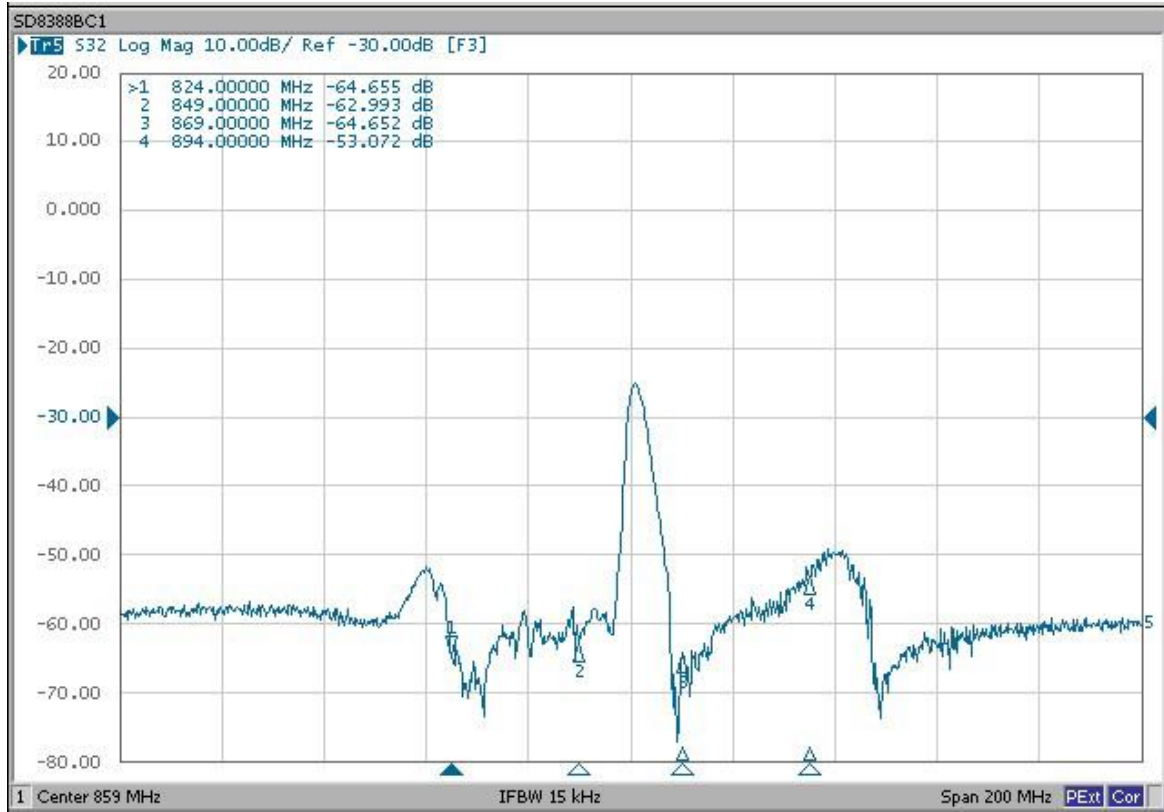


### Rx Characteristic:





### Isolation Characteristic:





### VSWR and Smith Chart:

