



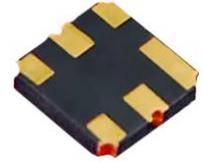
ANATECH ELECTRONICS, INC.

Manufacturer of RF & Microwave Products



890-915 MHz / 935-960 MHz Saw Duplexer for GSM

P/N: AM902-947SD363



Tx 902.5 MHz		Specifications			
Item	Condition	Min.	Typ.	Max.	
Insertion Loss	890 ~ 915 MHz	-	1.7 dB	2.2 dB	
Ripple	890 ~ 915 MHz	-	0.7 dBp-p	1.2 dBp-p	
VSWR	At Ant Port	890 ~ 915 MHz	-	1.6	2.0
	At Tx Port	890 ~ 915 MHz	-	1.5	2.0
Absolute Attenuation	0.3 ~ 860 MHz	10 dB	16 dB	-	
	935 ~ 960 MHz	45 dB	50 dB	-	
	1570 ~ 1580 MHz	10 dB	18 dB	-	
	1710 ~ 2170 MHz	8 dB	15 dB	-	
	2300 ~ 2500 MHz	3 dB	7 dB	-	
Rx 947.5 MHz		Specifications			
Item	Condition	Min.	Typ.	Max.	
Insertion Loss	935 ~ 960	-	2.3 dB	2.8 dB	
Ripple	935 ~ 960	-	1.0 dB p-p	1.5 dB p-p	
VSWR	At Ant Port	935 ~ 960	-	1.7	2.0
	At Rx Port	935 ~ 960	-	1.6	2.0
Absolute Attenuation	0.3 ~ 860	25 dB	32 dB	-	
	890 ~ 915	50 dB	55 dB	-	
	1570 ~ 1580	45 dB	55 dB	-	
	1710 ~ 2170	50 dB	57 dB	-	
	2300 ~ 2500	40 dB	48 dB	-	
Rx → Tx MHz		Specifications			
Item	Condition	Min.	Typ.	Max.	
Isolation	890-915 MHz	50 dB	55 dB	-	
	935-960 MHz	48 dB	53 dB	-	

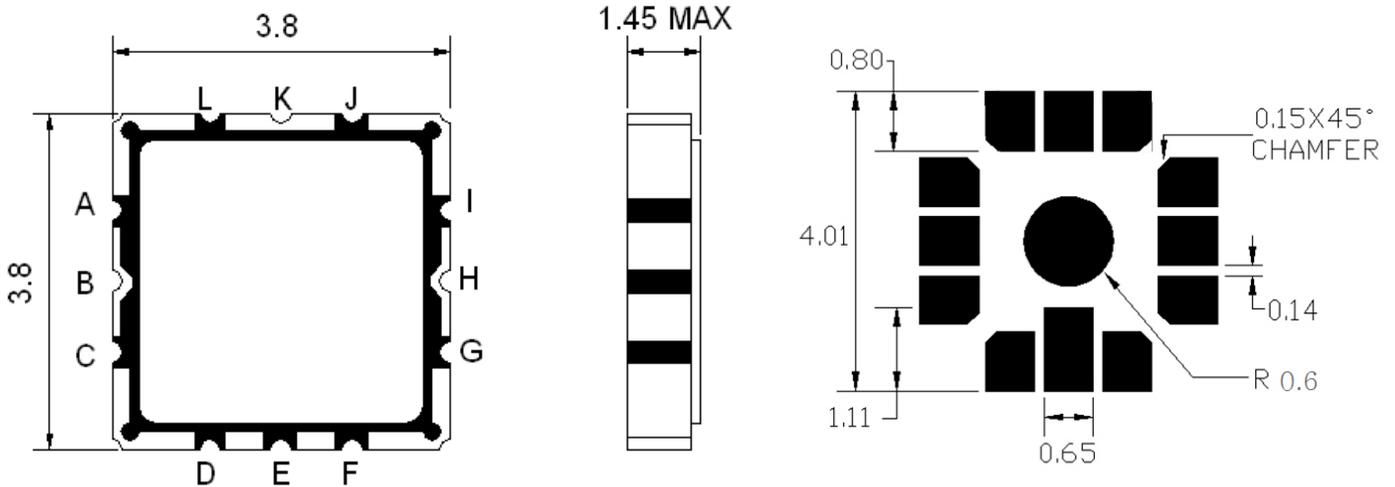
Item	Min.	Typ.	Max.
Operation Temperature Range	-30°C	-	+85°C
Storage Temperature Range	-40°C	-	+85°C
Maximum Voltage	0 V		
Maximum Input Power	1.2 W > 50000 Hours, CW tone(Ta= +50°C)		
Ant. Tx. Rx Terminating Impedance	50 Ω		
Package type	P2		
Length x Width	3.8 x 3.8 mm ²		
Height	-	-	1.45 mm



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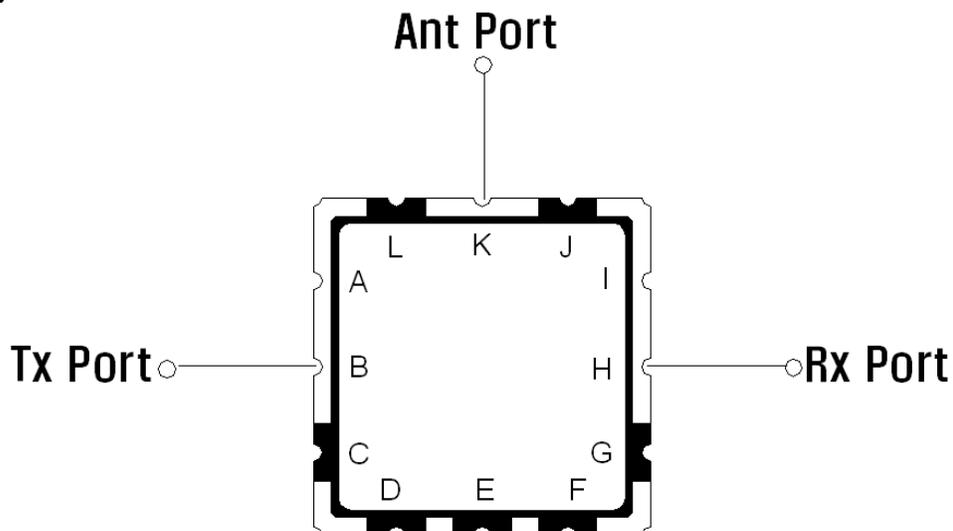
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Dimensions:



Pin Description	
A, C, D, E, F, G, I, J, L	Ground
H	Rx Port(947.5MHz)
K	Antenna
B	Tx Port (902.5MHz)

Testing Environment:





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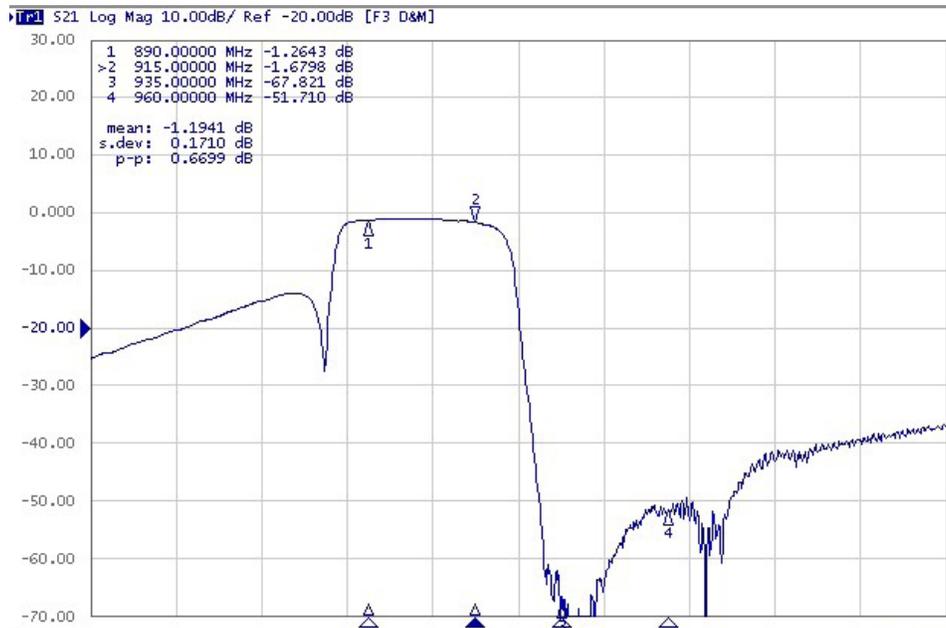


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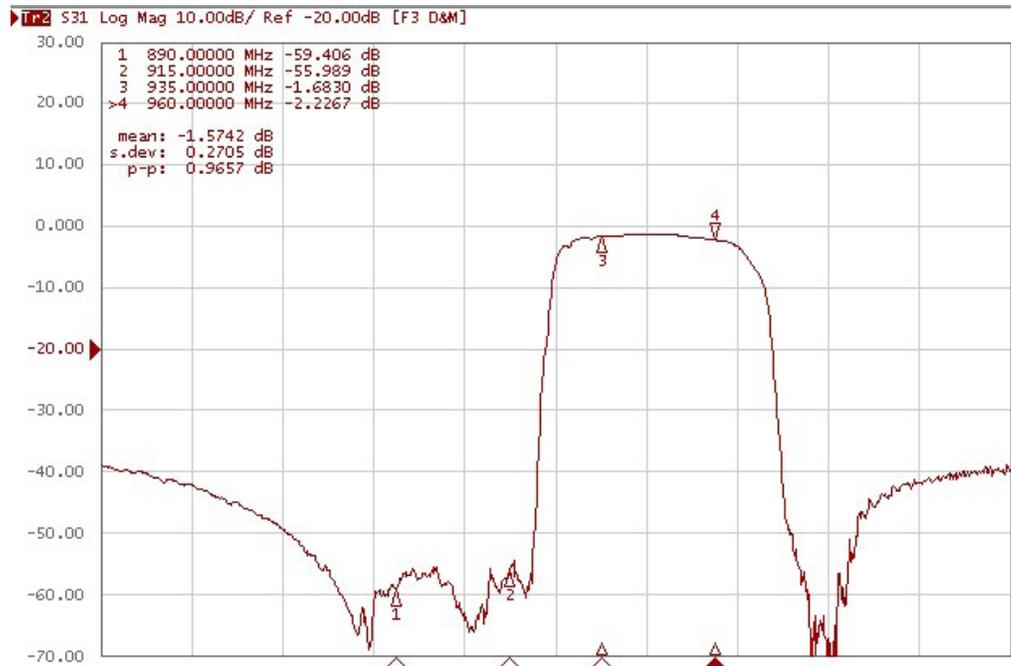
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Frequency Characteristics:

Tx:



Rx:





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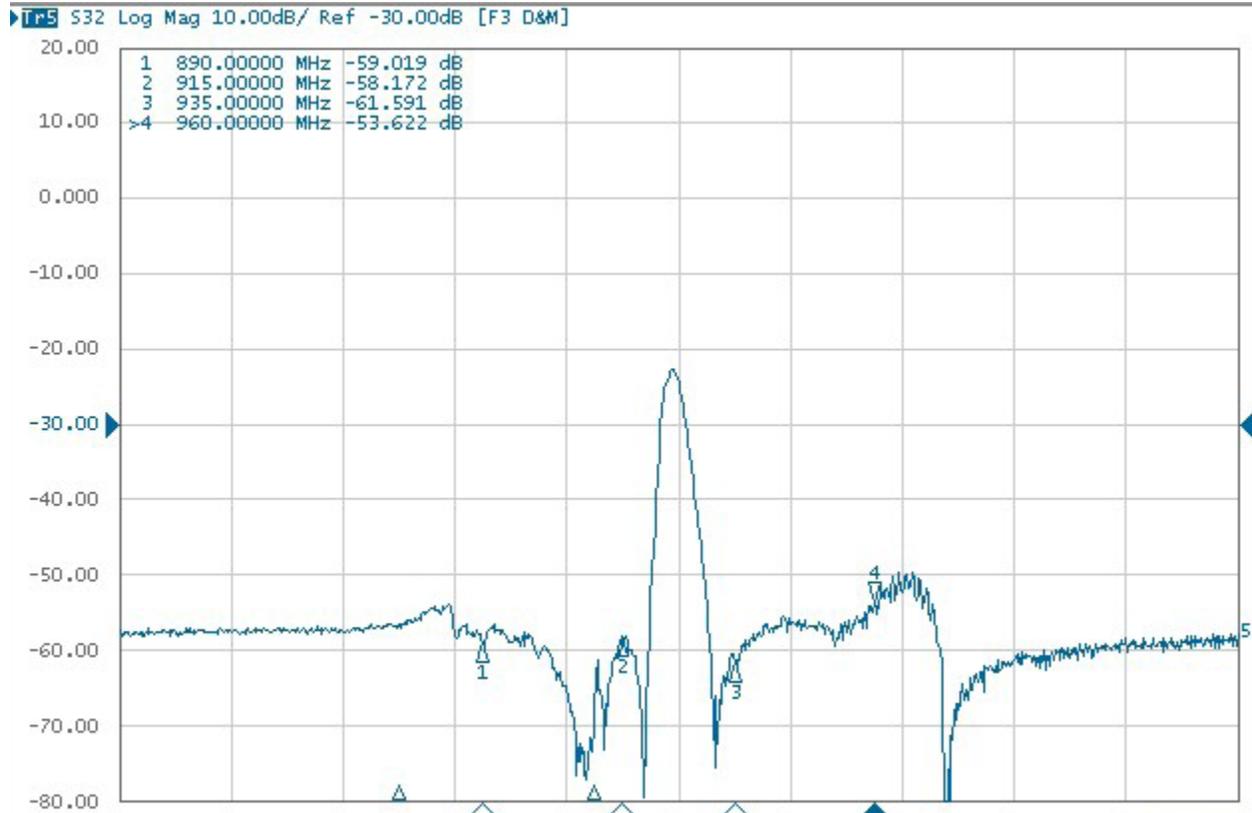
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Isolation:





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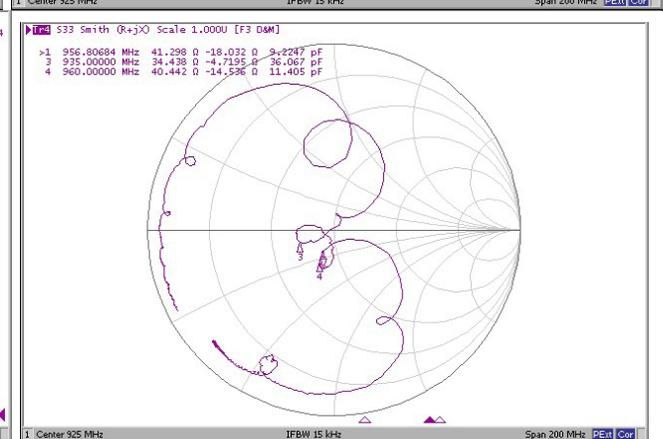
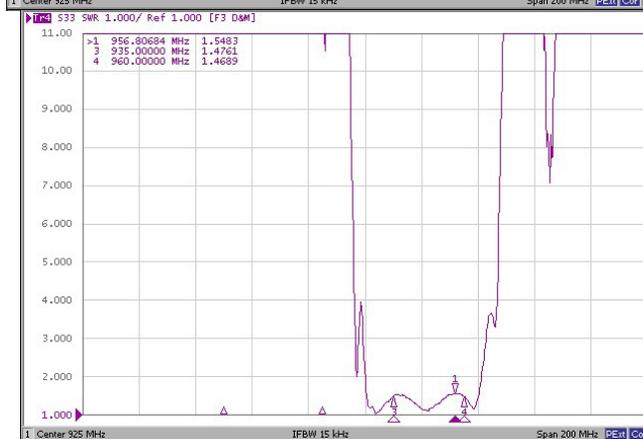
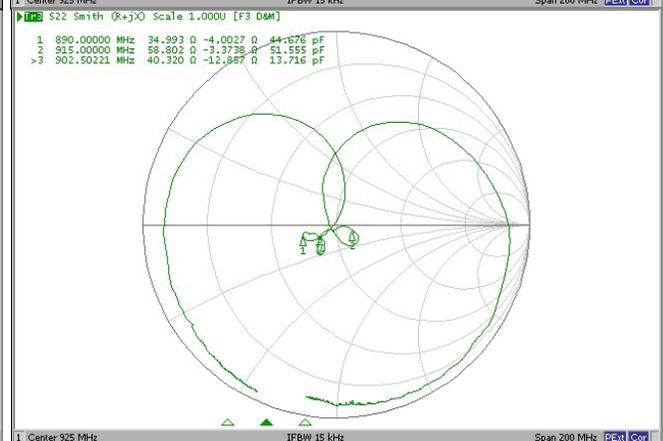
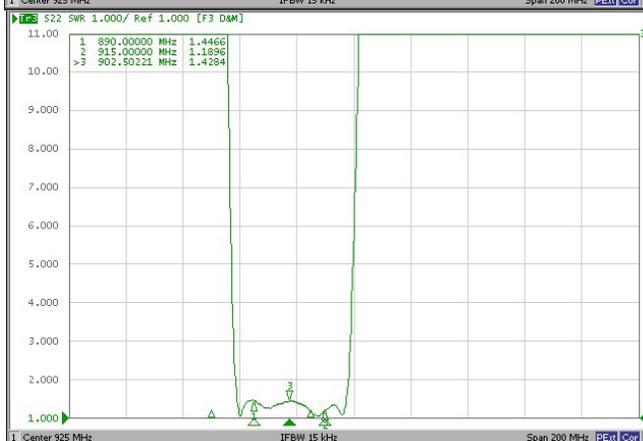
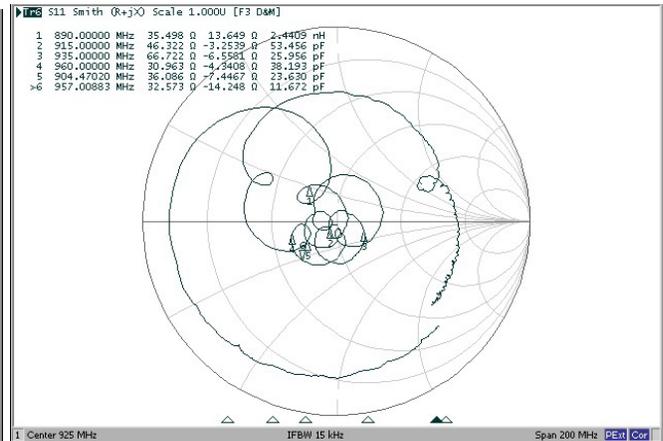
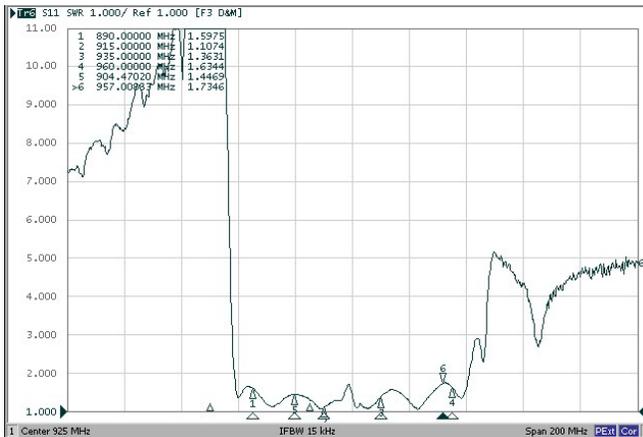
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VSWR & Smith Chart:





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Wide Span:

