



ANATECH ELECTRONICS, INC.

Manufacturer of RF & Microwave Products



698-716 / 728-746 MHz LTE Saw Duplexer

P/N: AM707-737SD368

Tx → Ant		Specifications		
Parameters Description	Condition [MHz]	Minimum	Typical	Maximum
Insertion Loss	698.0 ~ 716.0	-	1.9 dB	3.0 dB
Amplitude Ripple	698.0 ~ 716.0	-	0.9 dB	1.5 dB
VSWR	698.0 ~ 716.0	-	1.8 dB	2.2 dB
Absolute Attenuation	728.0 ~ 746.0	40 dB	48 dB	-

Ant → Rx		Specifications		
Parameters Description	Condition [MHz]	Minimum	Typical	Maximum
Insertion Loss	728.0 ~ 746.0	-	1.9 dB	3.0 dB
Amplitude Ripple	728.0 ~ 746.0	-	1.0 dB	1.5 dB
VSWR	728.0 ~ 746.0	-	1.7 dB	2.2 dB
Absolute Attenuation	698.0 ~ 716.0	-	38 dB	-

Tx → Rx		Specifications		
Parameters Description	Condition [MHz]	Minimum	Typical	Maximum
Isolation	698.0 ~ 716.0	35 dB	38 dB	-
	728.0 ~ 746.0	40 dB	50 dB	-
Parameters Description		Minimum	Typical	Maximum
Operation Temperature Range		0 °C	-	+50 °C
Storage Temperature Range		-40 °C	-	+85 °C
Maximum DC Voltage		0 V		
Maximum Input Power		30dBm > 50000 Hours, CW tone(Ta= +50°C)		
Input Impedance		50 Ω		
Output Impedance		50 Ω		
Package type & size		P3		
Length x Width		-	3.8 x 3.8 mm ²	-
Height		-	-	1.45 mm



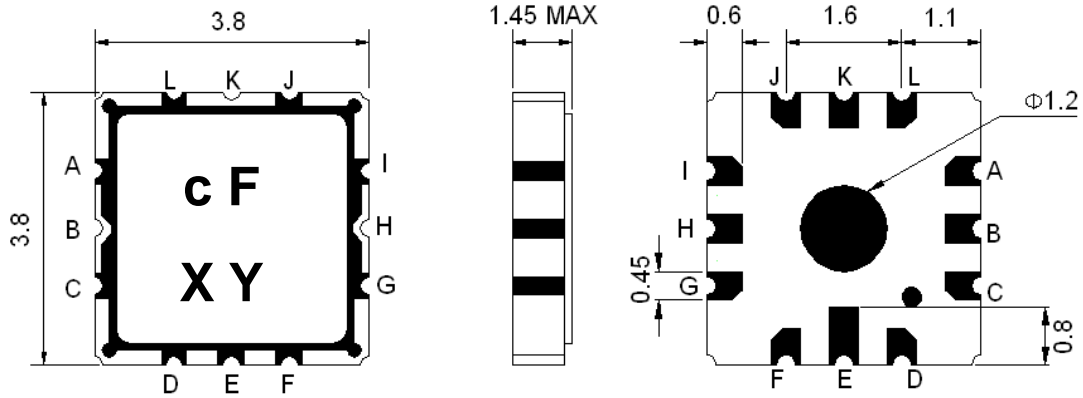
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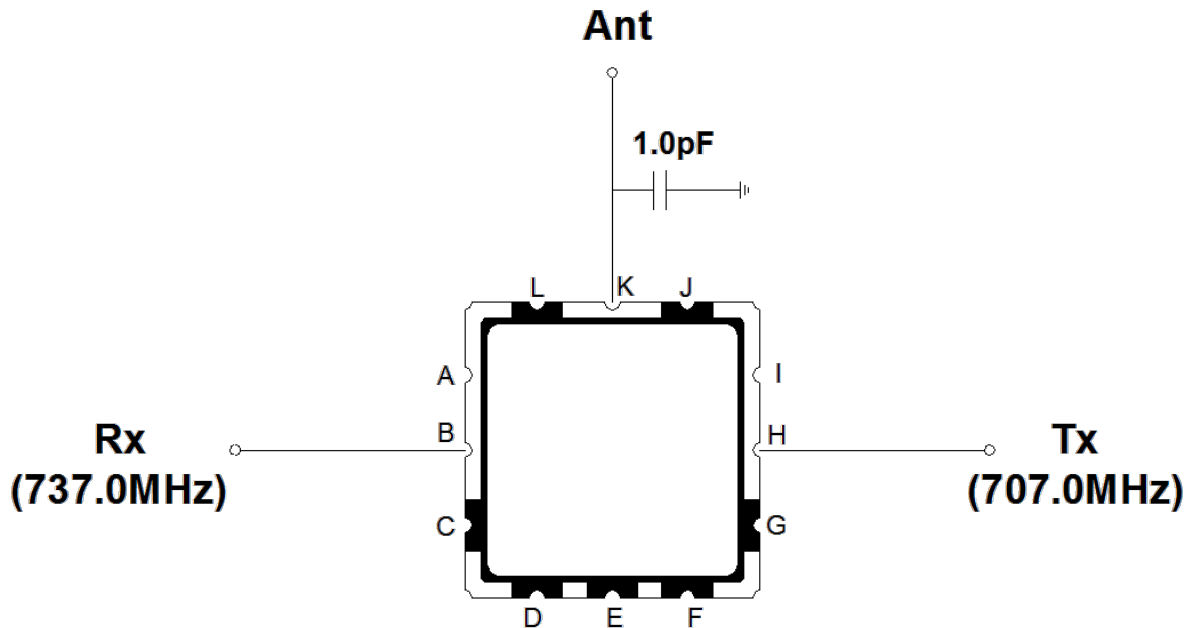
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Marking Descriptions	
C	Wireless Application
F	Series number
X	Date Code (Year)
Y	Date Code (Month)

Pin Description	
A, C, D, E, F, G, I, J, L	Ground
K	Ant
B	Rx (737.0MHz)
H	Tx (707.0 MHz)

Testing Environment



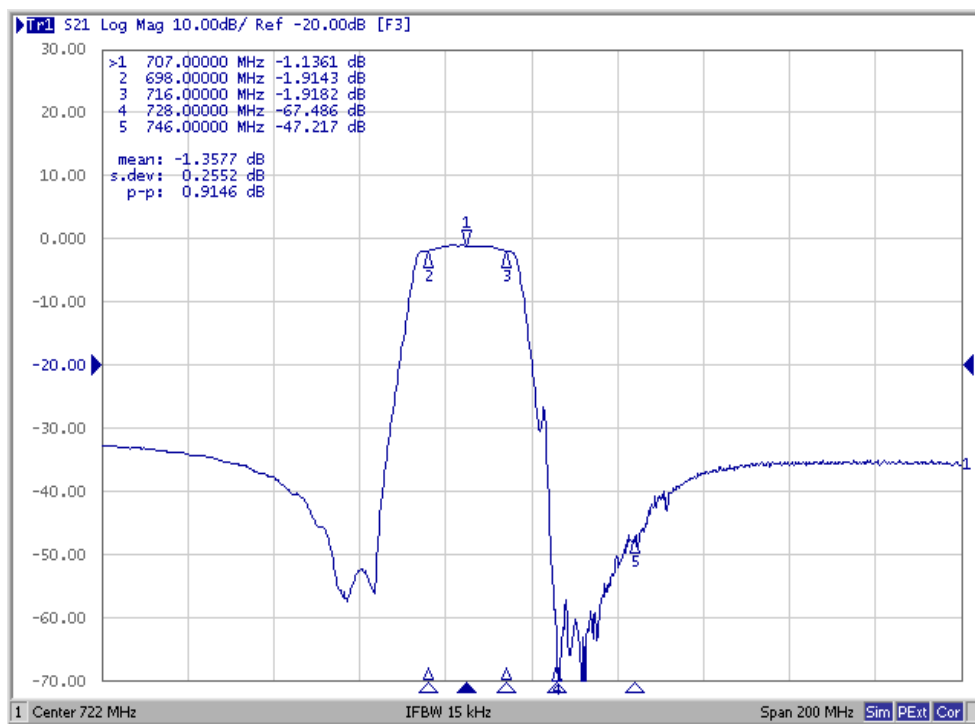


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Frequency Characteristics

Tx to Ant



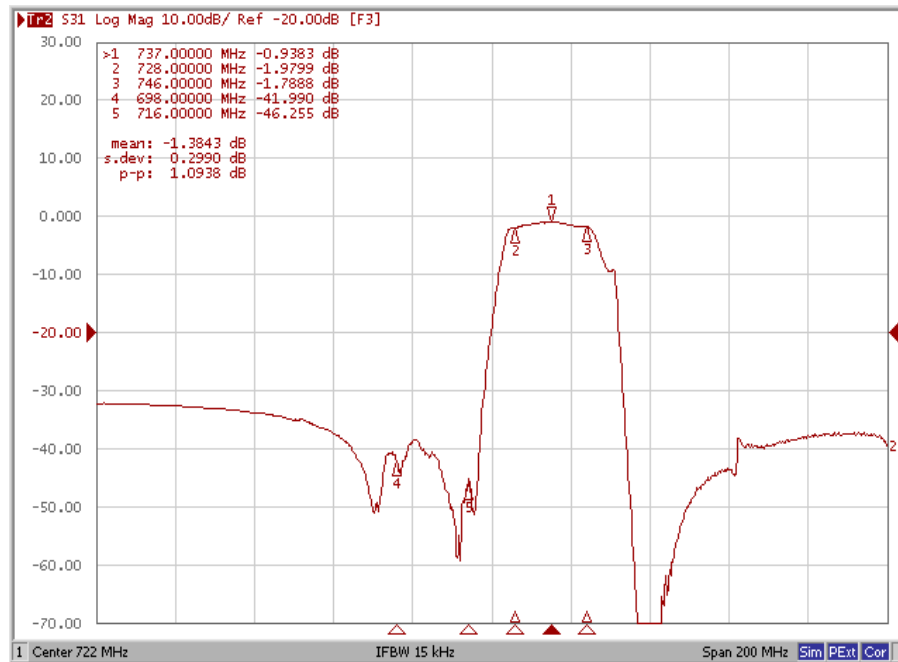


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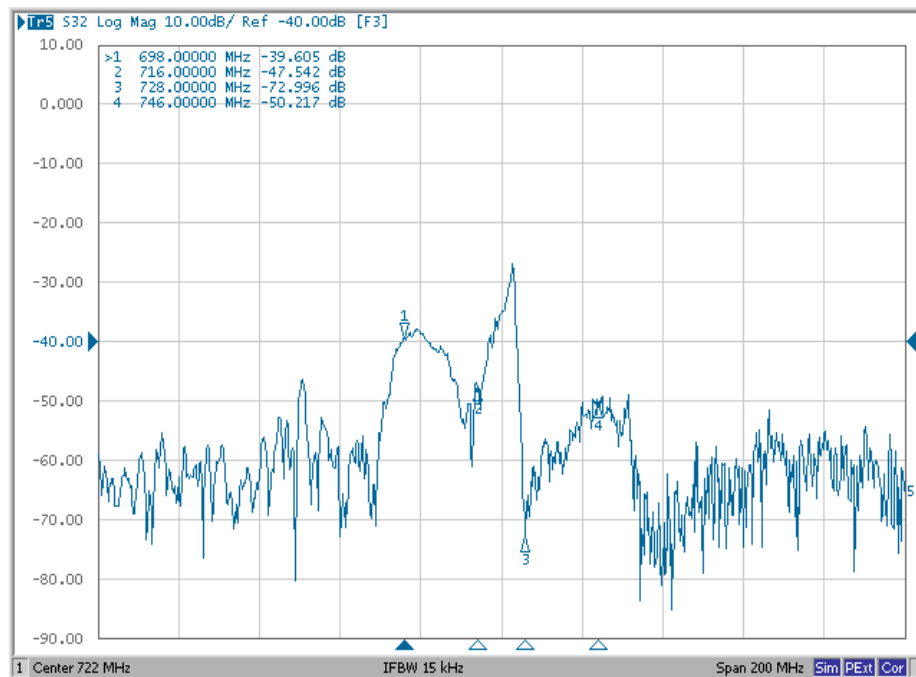
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Ant to Rx



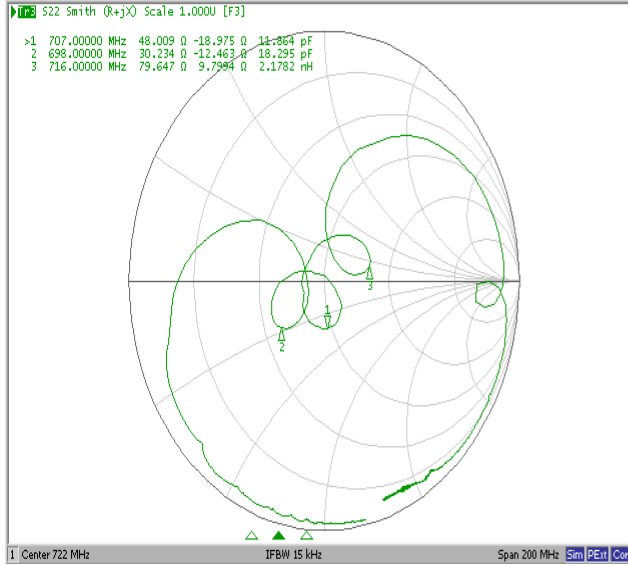
Isolation



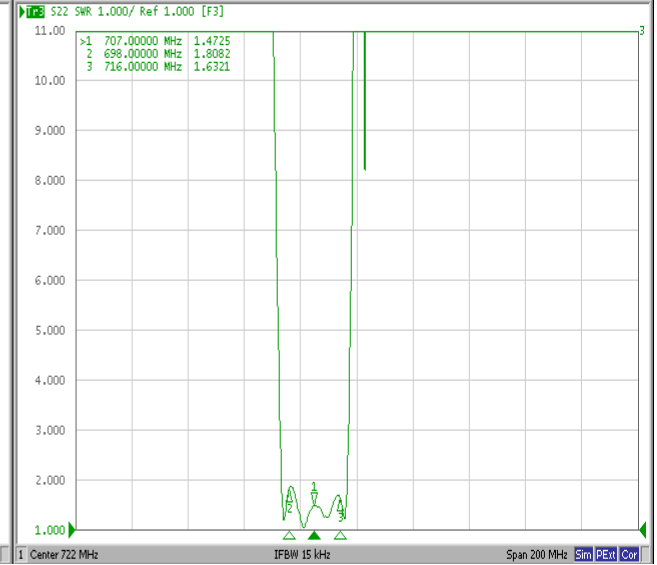


Tx Part

Smith Chart

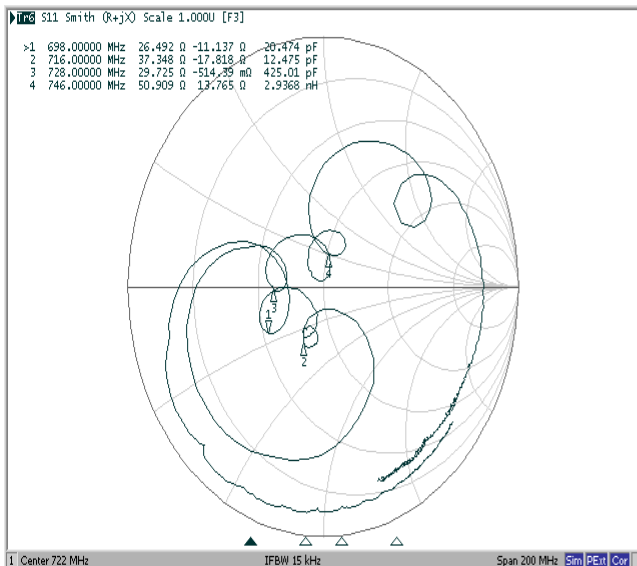


VSWR



Antenna

Smith Chart



VSWR

