



# ANATECH ELECTRONICS, INC.

Manufacturer of RF & Microwave Products



## 763 - 793 MHz SAW Duplexer

Part Number: AM763-793SD367

Uplink → Ant		Specifications			
Parameters Description	Condition [MHz]	Unit	Minimum	Typical	Maximum
Insertion Loss	788.0 ~ 798.0	dB	-	2.2	3.5
Amplitude Ripple	788.0 ~ 798.0	dB <sub>p-p</sub>	-	0.7	1.5
VSWR	788.0 ~ 798.0	-	-	1.5	2.5
Absolute Attenuation	758.0 ~ 768.0	dB	45	55	-

Ant → Downlink		Specifications			
Parameters Description	Condition [MHz]	Unit	Minimum	Typical	Maximum
Insertion Loss	758.0 ~ 768.0	dB	-	2.2	3.2
Amplitude Ripple	758.0 ~ 768.0	dB <sub>p-p</sub>	-	0.7	1.5
VSWR	758.0 ~ 768.0	-	-	2.2	2.5
Absolute Attenuation	788.0 ~ 798.0	dB	45	55	-

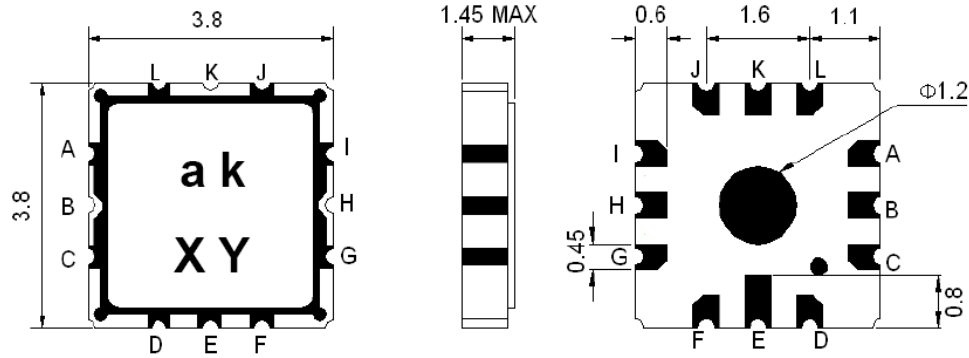
Downlink → Uplink		Specifications			
Parameters Description	Condition [MHz]	Unit	Minimum	Typical	Maximum
Isolation	788.0 ~ 798.0	dB	47	57	-
	758.0 ~ 768.0	dB	50	60	-

Notes : (1) With Matching Network .



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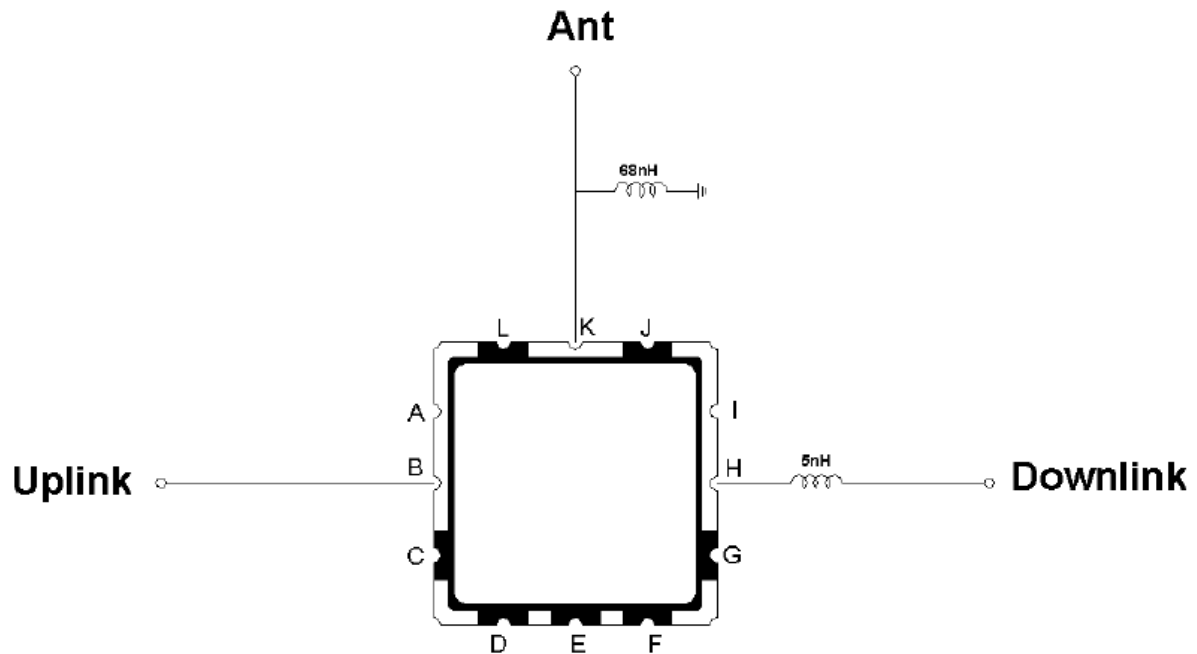
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Marking Descriptions	
a	Wireless Application
k	Series Number
X	Date Code(Year)
Y	Date Code(Month)

Pin Description	
A, C, D, E, F, G, I, J, L	Ground
K	Ant
B	Uplink (793.0 MHz)
H	Downlink (763.0MHz)

**Testing Environment**

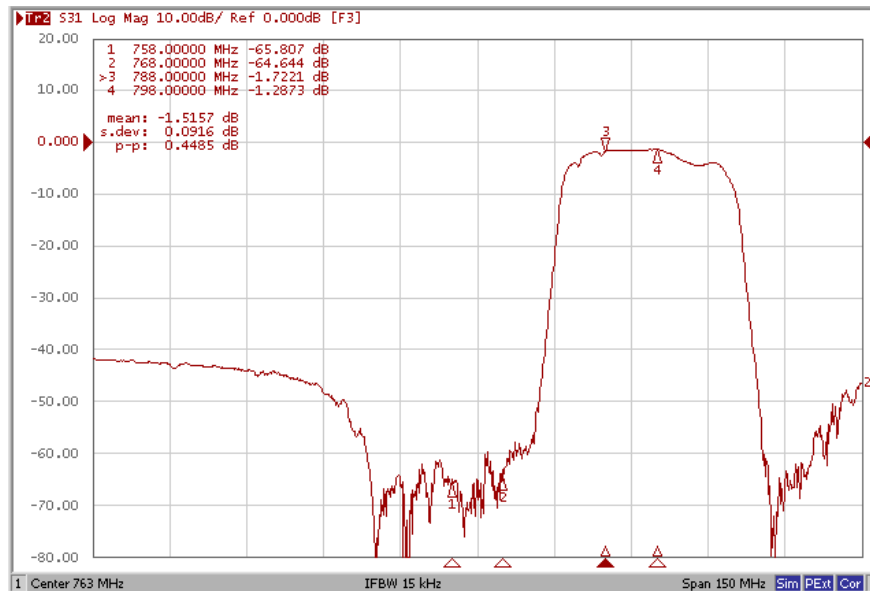




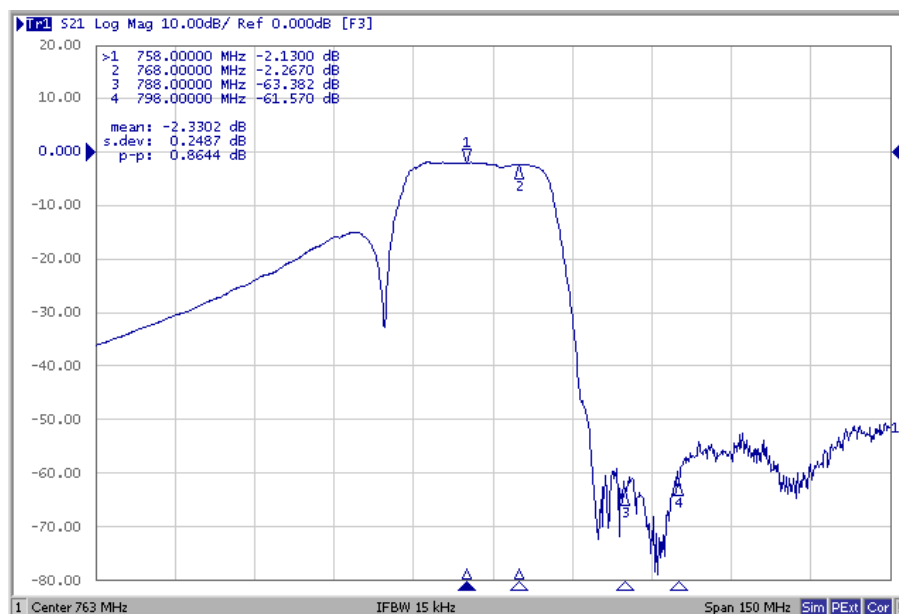
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**Uplink to Ant**



**Ant to Downlink**

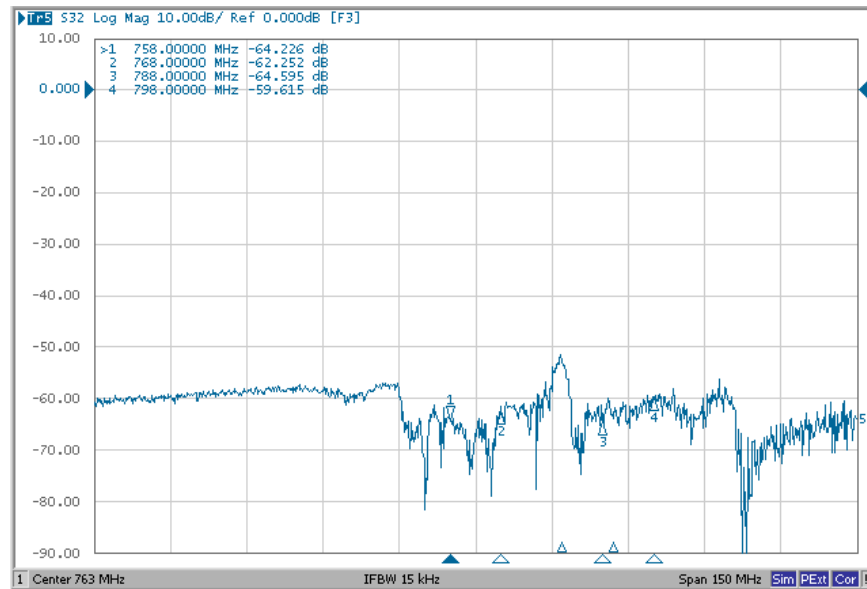




**763 - 793 MHz SAW Duplexer**

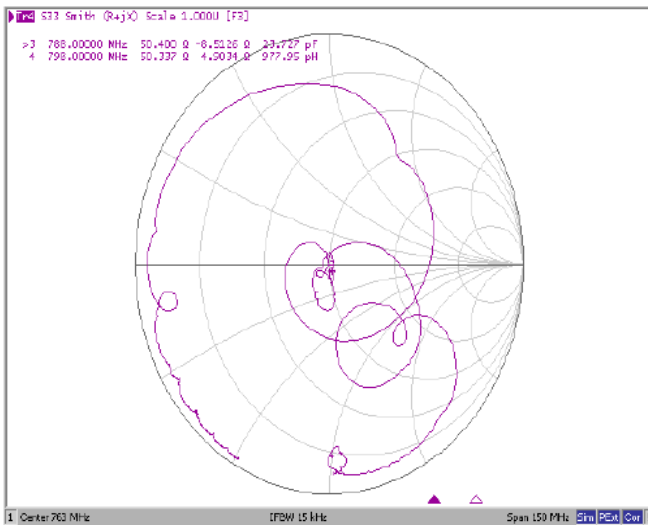
**Part Number: AM763-793SD367**

**Isolation**

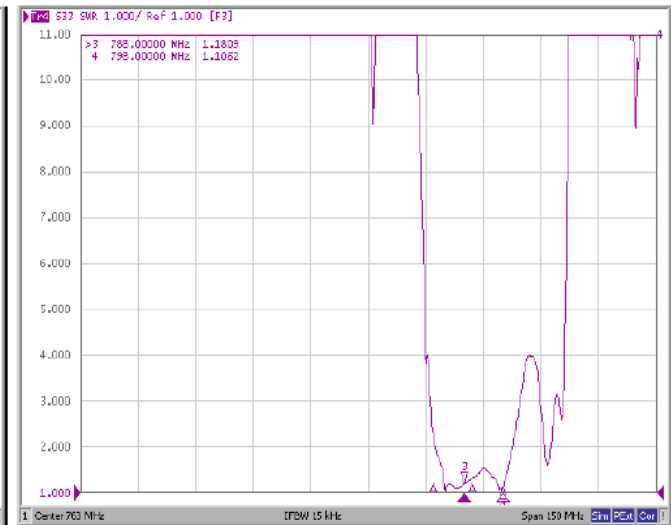


**Uplink**

**Smith Chart**



**VSWR**





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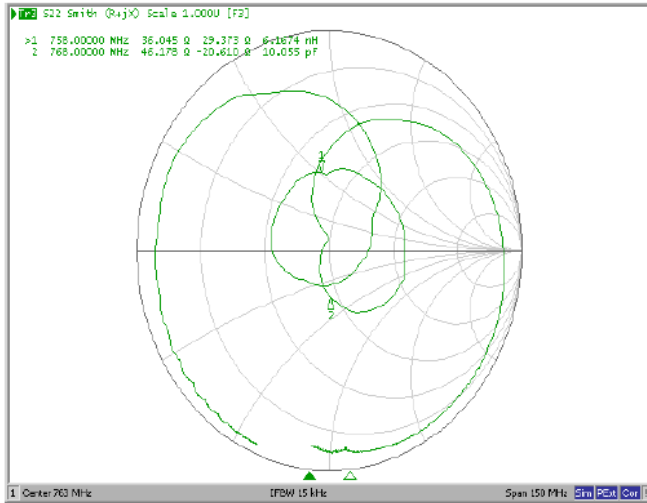


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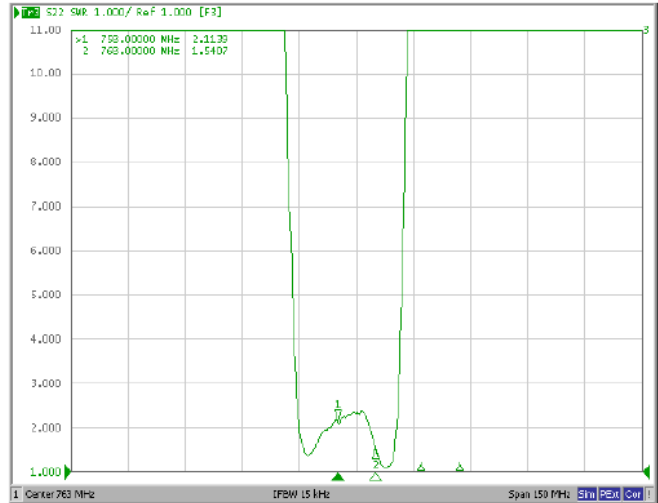
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### Downlink

#### Smith Chart

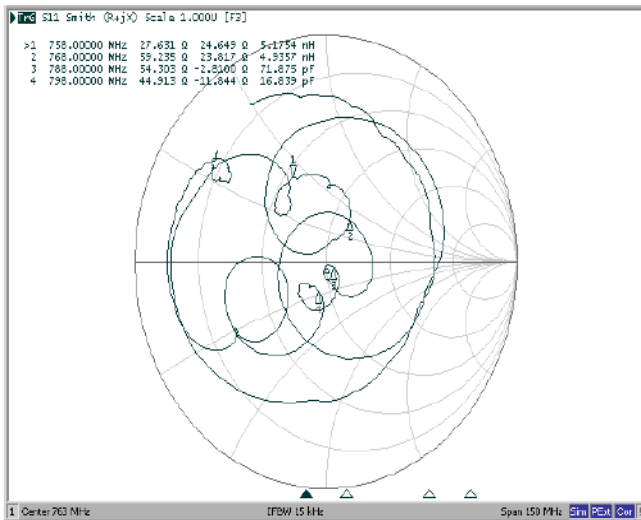


#### VSWR



### Antenna

#### Smith Chart



#### VSWR

