



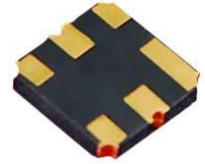
ANATECH ELECTRONICS, INC.

Manufacturer of RF & Microwave Products



746-756 MHz / 777-787 MHz Saw Duplexer

P/N: AM751-781SD389



Tx 781 MHz		Specifications		
Item	Condition	Min.	Typ.	Max.
Insertion Loss	777 ~ 787 MHz	-	1.8 dB	2.5 dB
Ripple	777 ~ 787 MHz	-	0.6 dBp-p	1.2 dBp-p
VSWR	777 ~ 787 MHz	-	1.7	2.2
Absolute Attenuation	1 ~ 746 MHz	37 dB	42 dB	-
	746 ~ 756 MHz	45 dB	48 dB	-
	758 ~ 768 MHz	10 dB	20 dB	-
	869 ~ 894 MHz	40 dB	49 dB	-
	1574.42 ~ 1576.42 MHz	40 dB	48 dB	-
	2328 ~ 2361 MHz	30 dB	41 dB	-
	3104 ~ 3148 MHz	25 dB	30 dB	-
Rx 751 MHz		Specifications		
Item	Condition	Min.	Typ.	Max.
Insertion Loss	746 ~ 756 MHz	-	1.5 dB	2.5 dB
Ripple	746 ~ 756 MHz	-	0.4 dBp-p	1.2 dBp-p
VSWR	746 ~ 756 MHz	-	1.5	2.2
Absolute Attenuation	1 ~ 716 MHz	35 dB	41 dB	-
	716 ~ 728 MHz	40 dB	50 dB	-
	777 ~ 787 MHz	50 dB	60 dB	-
	787 ~ 849 MHz	38 dB	44 dB	-
	1710 ~ 1755 MHz	40 dB	46 dB	-
	1850 ~ 1920 MHz	35 dB	45 dB	-
Rx → Tx		Specifications		
Item	Condition	Min.	Typ.	Max.
Isolation	777 ~ 787 MHz	55 dB	60 dB	-
	746 ~ 756 MHz	50 dB	55 dB	-

Item	Min.	Typ.	Max.
Operation Temperature Range	-30°C	-	+85°C
Storage Temperature Range	-40°C	-	+85°C
Maximum DC Voltage	0 V		
Tx Band Input Power Level within 777~ 787 MHz	30dBm > 50000 Hours, CW tone(Ta= +50°C)		
Ant. Tx. Rx Terminating Impedance	50 Ω		
Package type	P3		
Length x Width	3.8 x 3.8 mm ²		
Height	-	-	1.45 mm

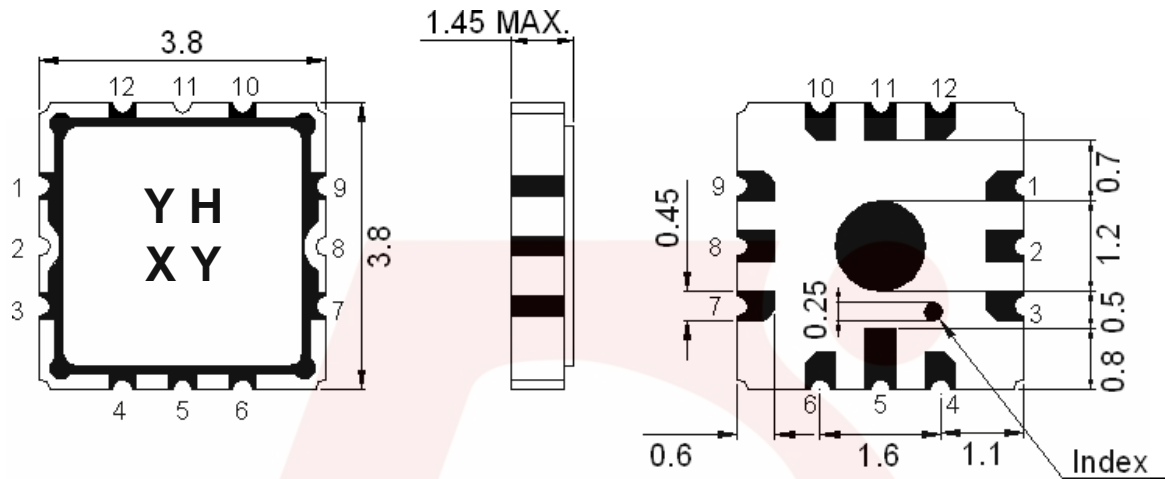
DS-SD389-09062023-Rev0



746-756 MHz / 777-787 MHz Saw Duplexer

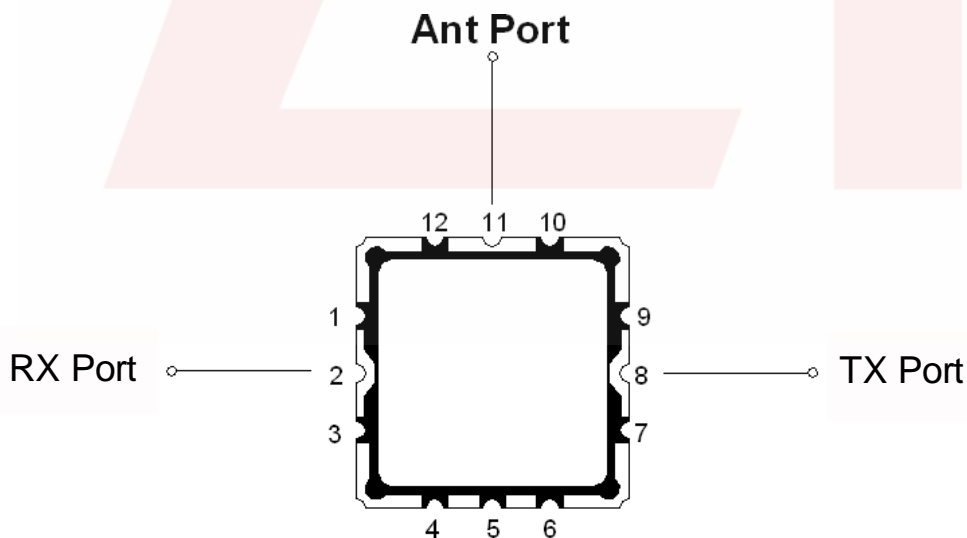
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Dimensions:



Pin Description	
the others	Ground
2	Tx Port (781.0MHz)
11	Antenna
8	Rx Port(751.0MHz)

Testing Environment:



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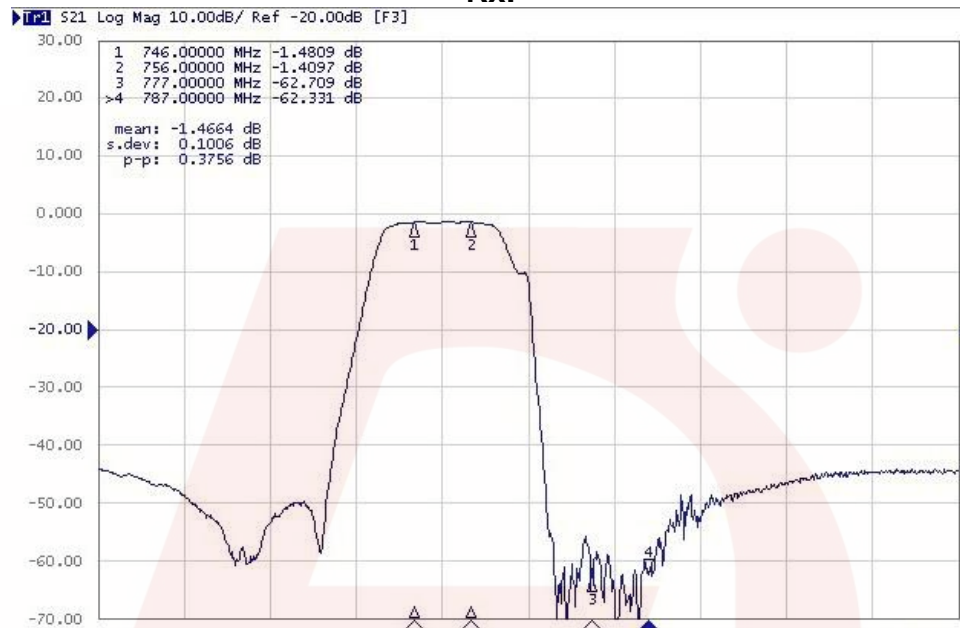


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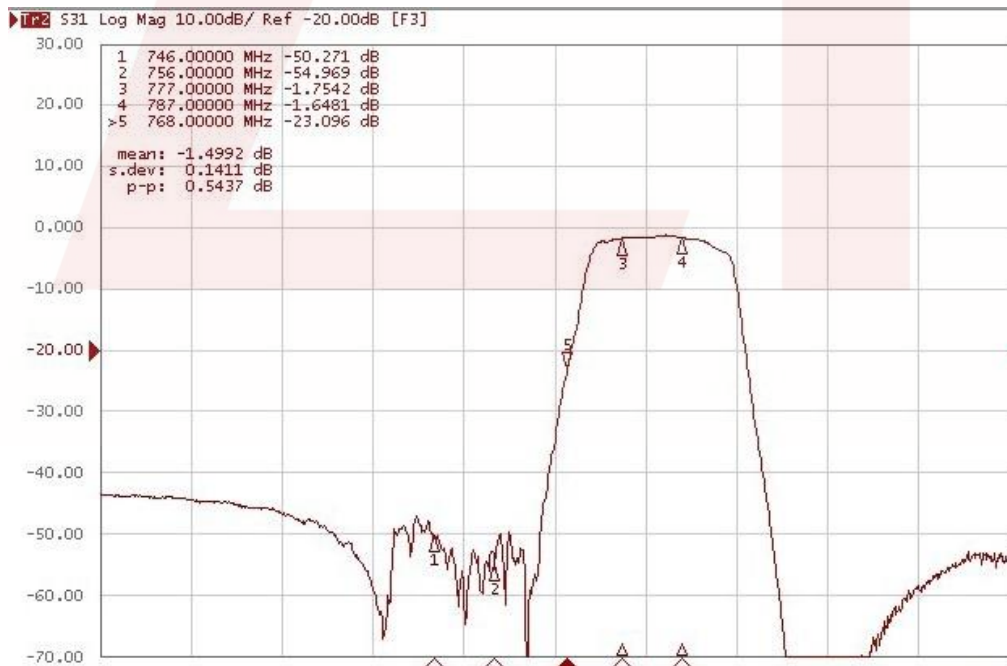
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Frequency Characteristics:

Rx:



Tx:



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Isolation:



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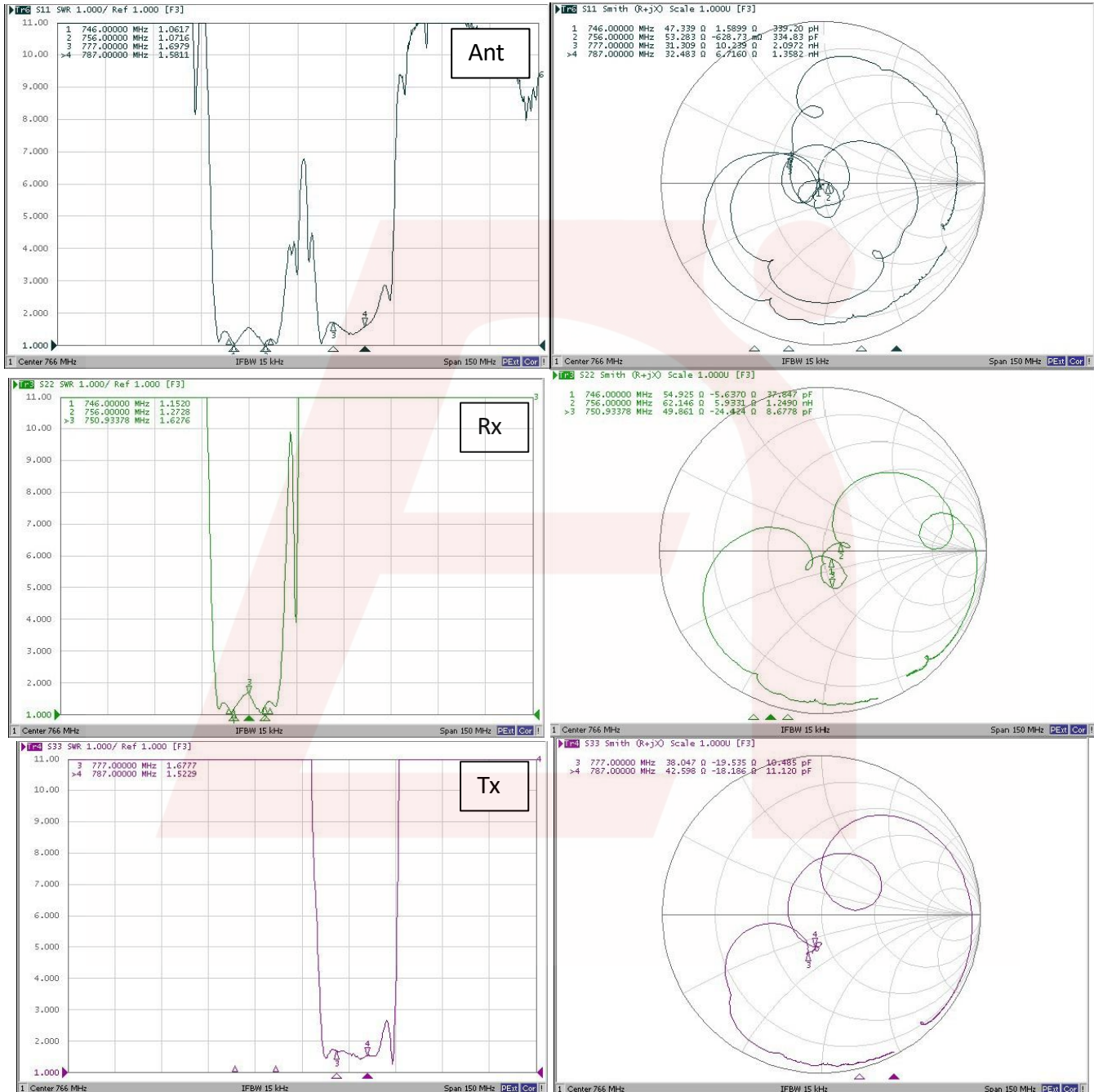
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VSWR & Smith Chart:



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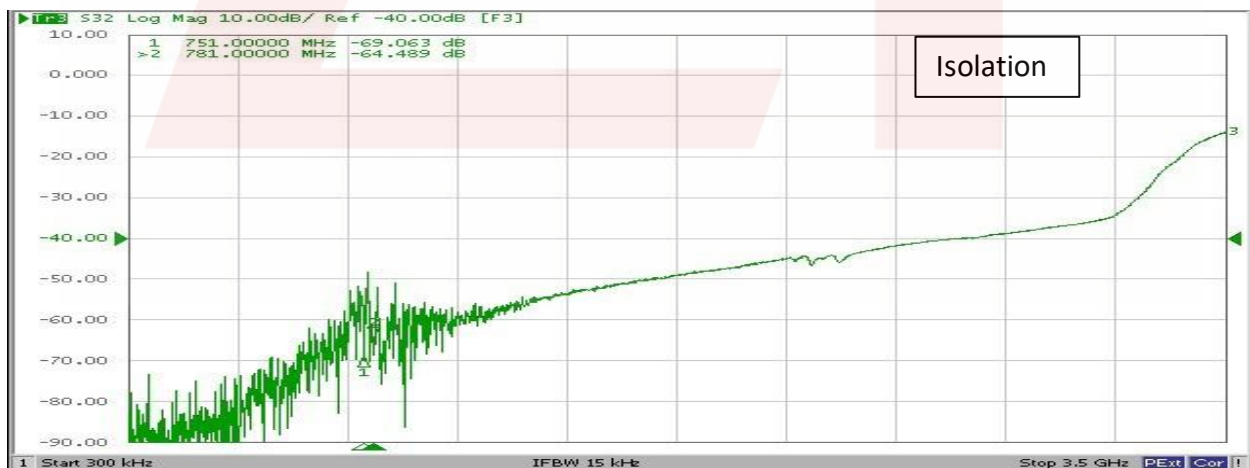
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Wide Span:



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