

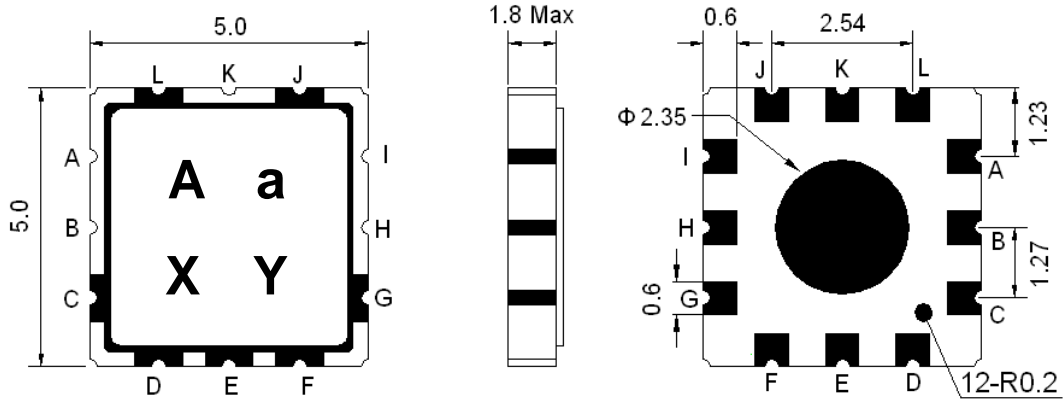
- CDMA450 L-Band, SAW Duplexer
- Revision 1: December 2005

Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	0	-
Maximum Input Power	W	1.0 W > 50000 Hours, CW tone(Ta= +50°C)		
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	K2			
Length x Width	mm ²	-	5.0 x 5.0	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION					
PARAMETERS	CONDITION [MHZ]	UNIT	MINIMUM	TYPICAL	MAXIMUM
Tx → Ant		Specifications			
Insertion Loss	410.0 ~ 414.5	dB	-	2.5	2.8
VSWR	410.0 ~ 414.5	-	-	1.6	2.1
Absolute Attenuation	0.3 ~ 400.0	dB	23	26	-
	420.0 ~ 424.5	dB	30	50	-
	424.5 ~ 1700.0	dB	18	23	-
	1700.0 ~ 2000.0	dB	10	17	-
Ant → Rx		Specifications			
Insertion Loss	420.0 ~ 424.5	dB	-	2.8	4.3
VSWR	420.0 ~ 424.5	-	-	1.6	2.2
Absolute Attenuation	0.3 ~ 410.0	dB	20	24	-
	410.0 ~ 414.5	dB	33	51	-
	445.0 ~ 600.0	dB	20	27	-
	600.0 ~ 1200.0	dB	20	30	-
	1200.0 ~ 2000.0	dB	25	46	-
Tx → Rx		Specifications			
Isolation	410.0 ~ 414.5	dB	32	50	-
	420.0 ~ 424.5	dB	35	57	-

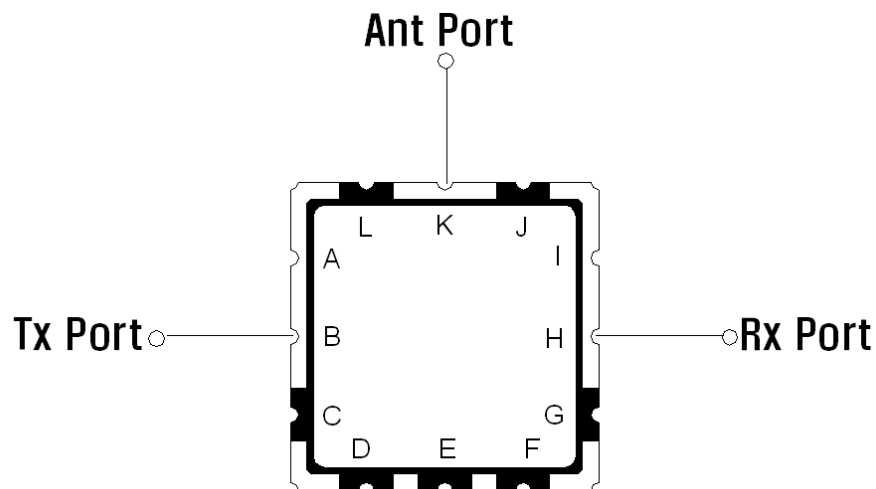
Package Dimensions



Marking Descriptions	
A	CDMA450 Application
a	Series Number
X	Date Code (Year)
Y	Date Code (Month)

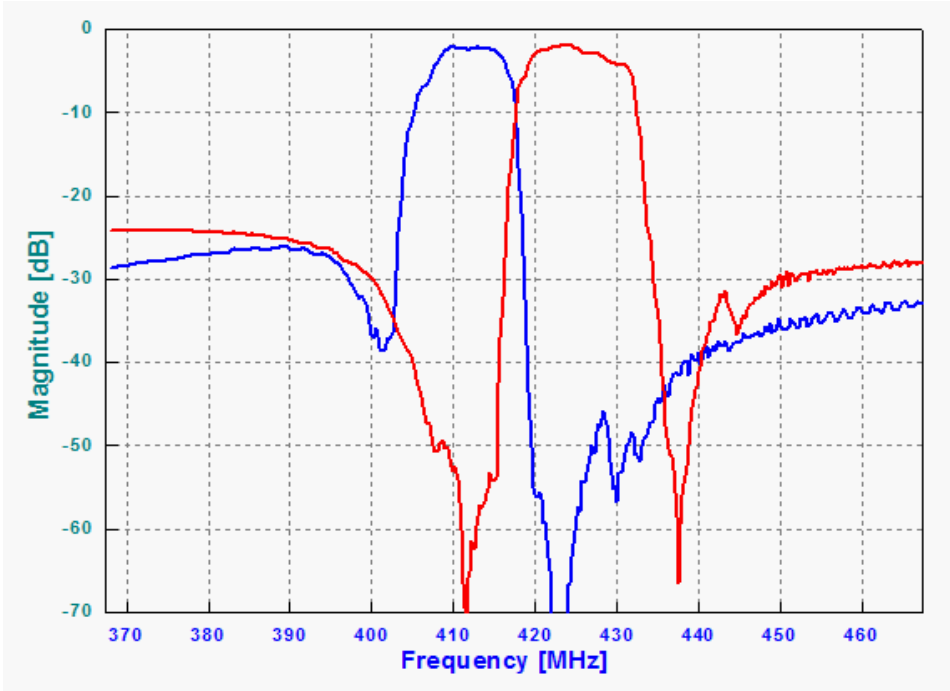
Pin Description	
A, C, D, E, F, G, I, J, L	Ground
H	Receiver
K	Antenna
B	Transmitter

Testing Environment

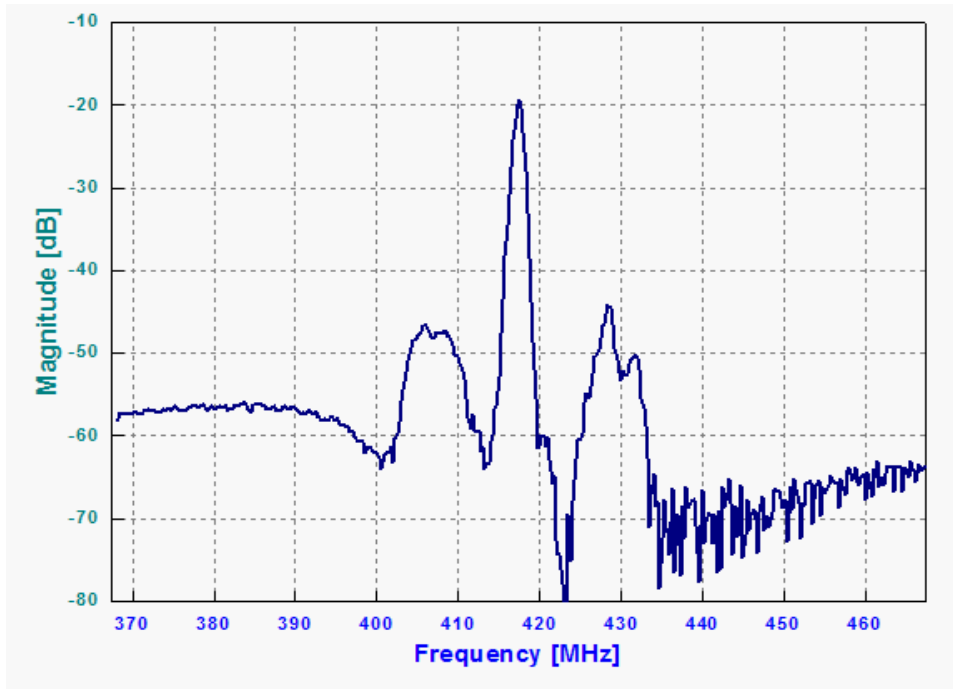


Frequency Characteristics

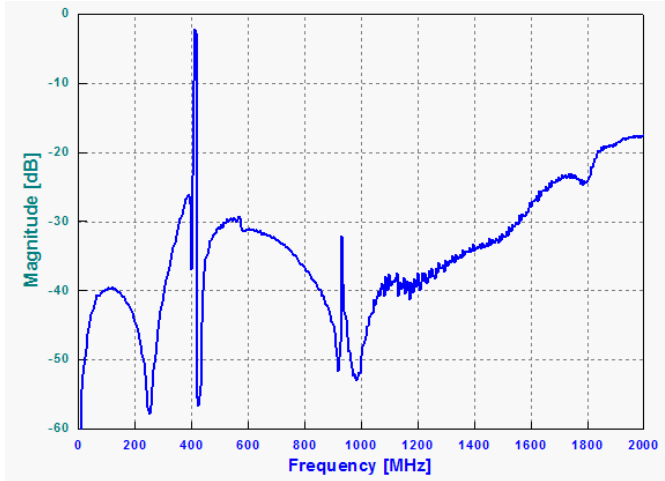
Tx to Ant, Ant to Rx



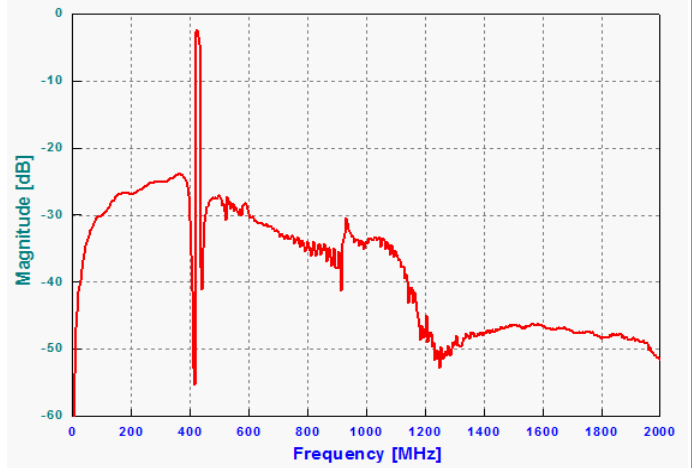
Tx to Rx Isolation



Tx to Ant

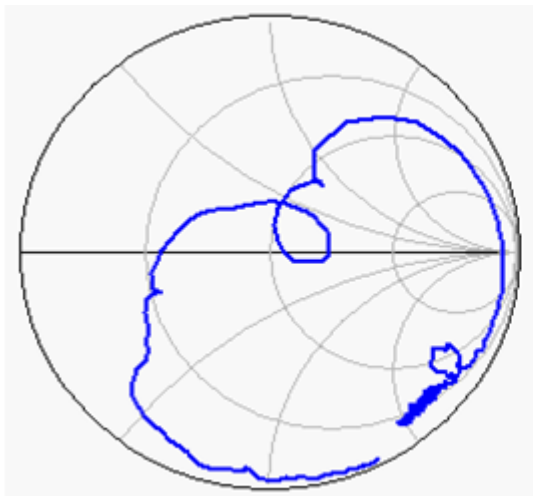


Ant to Rx

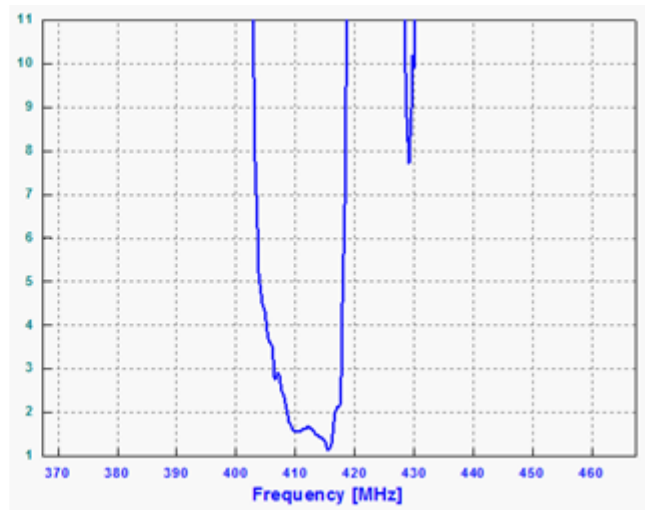


Tx Port

Smith Chart

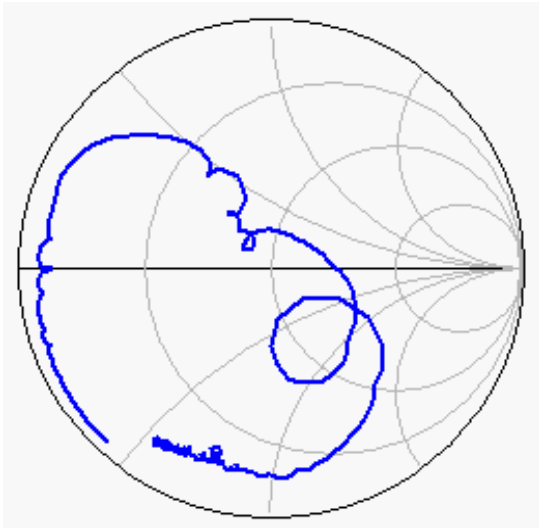


VSWR

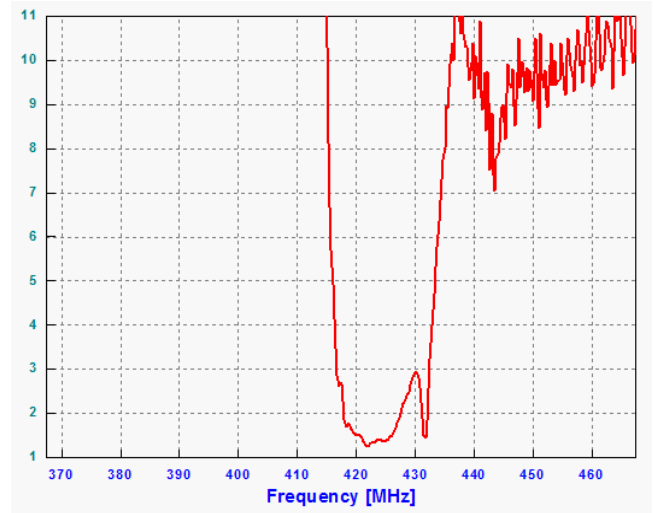


Rx Port

Smith Chart

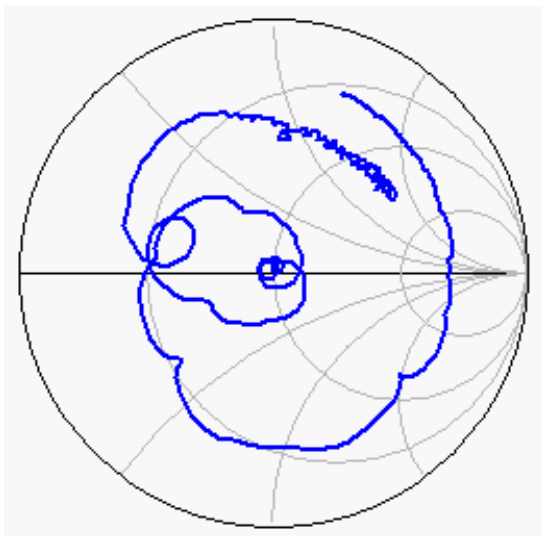


VSWR



Ant Port

Smith Chart



VSWR

