

5Way 0° Divide Frequency: 2-300MHZ.

dimension

Feature:

.5way 0degree Divide.

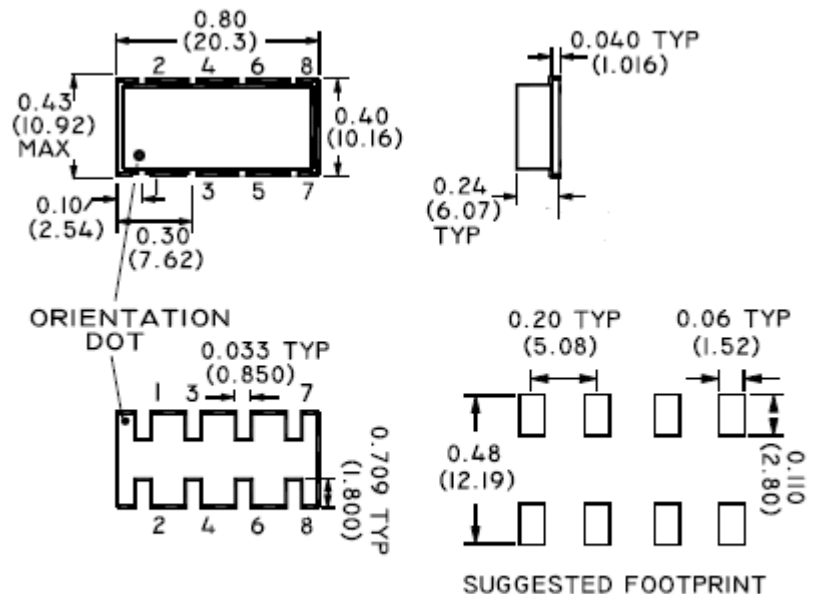
.SMT part.

.Packaging 500pcs per reel.

.used in 50 ohm systems.

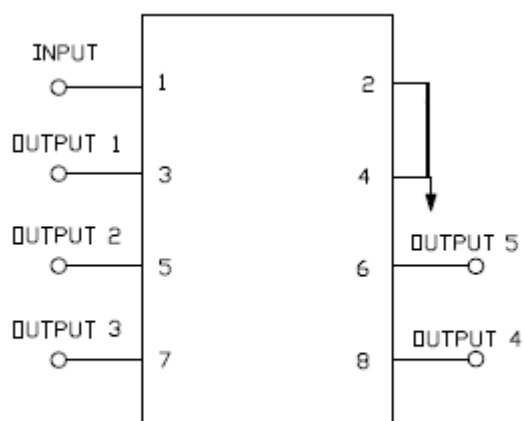
.260 degree compatible.

ROHS COMPLIANT



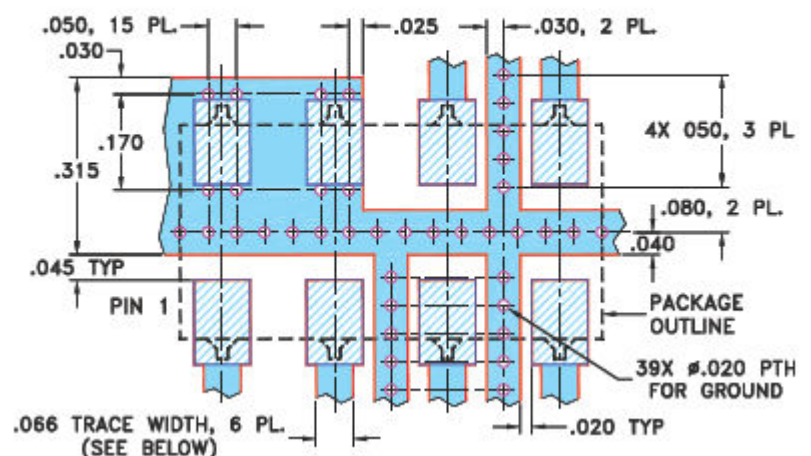
Dimensions in inches [mm].

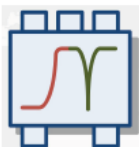
Tolerance where not specified: .xx ± .02, .xxx ± .010



Schematic

Suggested PCB Layout

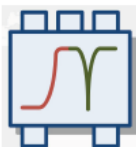




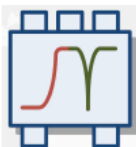
PIN CONFIGURATION	
PIN	FUNCTION
5	Output2
2,4	GND
3	Output1
7	Output3
8	Output4
6	Output5
1	Input

Ordering Information	
Part Number	Package
1	500pcs/reel

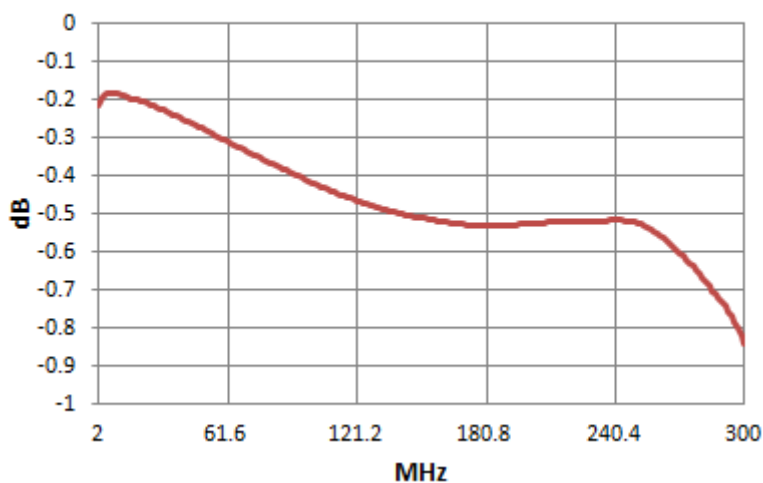
Absolute Maximum Ratings	
Parameter	Absolute Maximum
RF Power	1W
DC Current	240mA
Operating Temperature	-40°C to +85°C
Storage Temperature	-50°C to +100°C



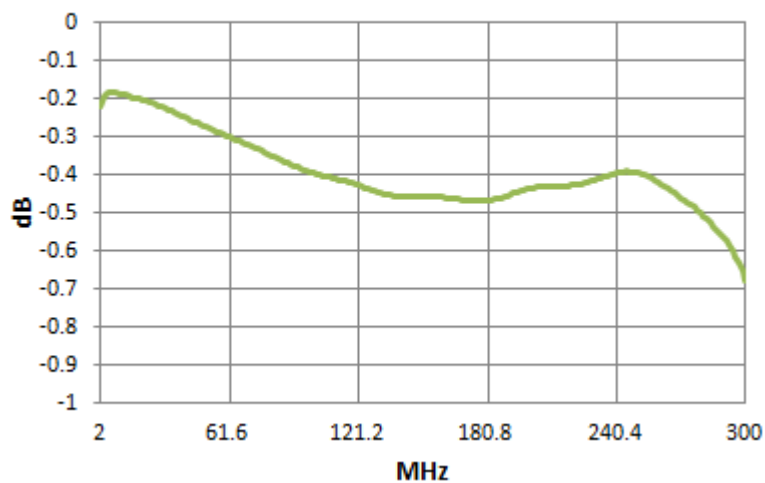
Electrical Specifications: TA=25°C, Zo=50Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Insertion Loss ABOVE 7DB	2 - 5MHz	dB	---	0.2	0.5
	5 - 200MHz	dB	---	0.45	1.0
	200 - 300MHz	dB	---	0.8	1.2
Input return loss	2 - 5MHz	dB	20	25	---
	5 - 200MHz	dB	15	18	---
	200 - 300MHz	dB	13	16	---
Output return loss	2 - 5MHz	dB	15	16.7	---
	5 - 200MHz	dB	18	24	---
	200 - 300MHz	dB	16	20	---
Amplitude Unbalance	2 - 5MHz	dB	---	±0.0	±0.3
	5 - 200MHz	dB	---	±0.3	±0.5
	200 - 300MHz	dB	---	±0.3	±0.5
Phase Unbalance	2 - 5MHz	Degree	---	±0.1	±1
	5 - 200MHz	Degree	---	±1.8	±3
	200 - 300MHz	Degree	---	±3	±6
Isolation Between All Output	2 - 5MHz	dB	20	40	---
	5 - 200MHz	dB	20	28	---
	200 - 300MHz	dB	20	25	---
RF Power Rating (max)	1W				
DC Current	240mA				
Test Impedance	50OHM				
Operating Temperature	-40°C Min +85°C Max				
Storage Temperature	-50°C to +100°C				



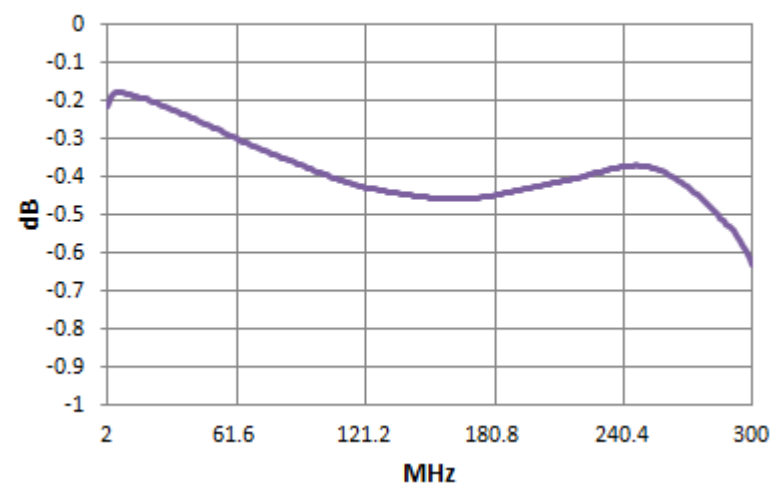
Insertion Loss1-3



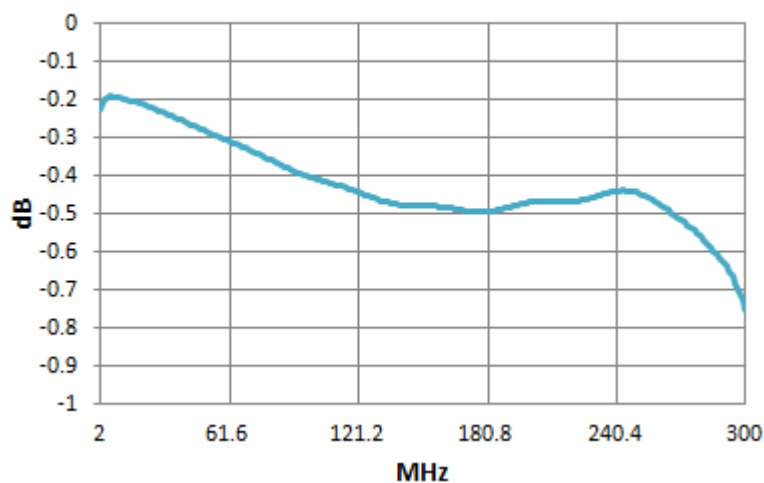
Insertion Loss1-5



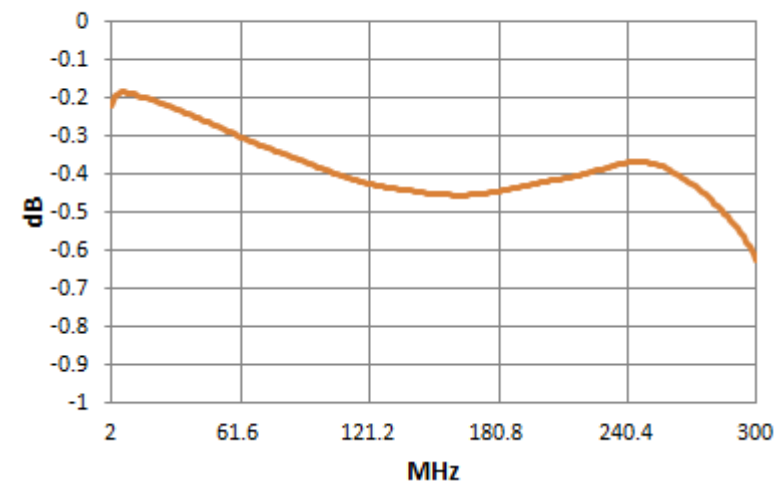
Insertion Loss1-6



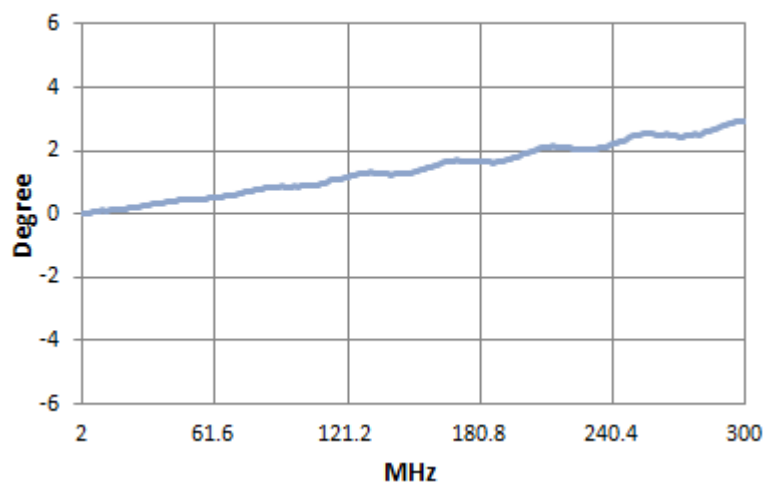
Insertion Loss1-7

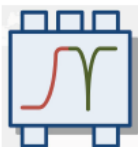


Insertion Loss1-8

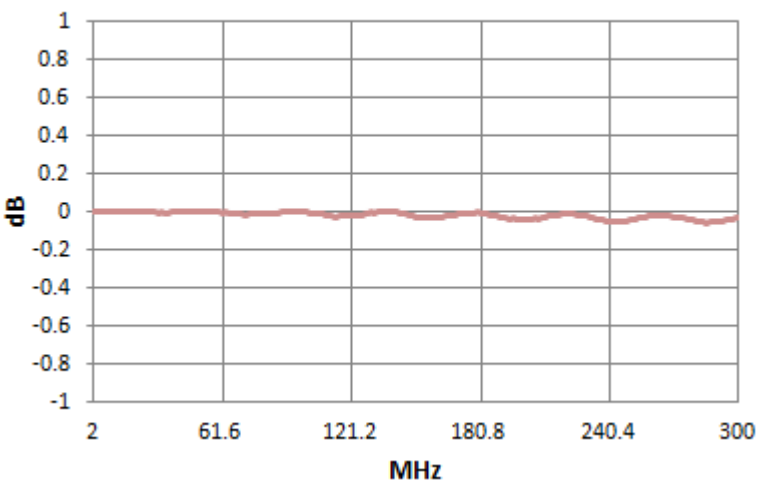


Phase

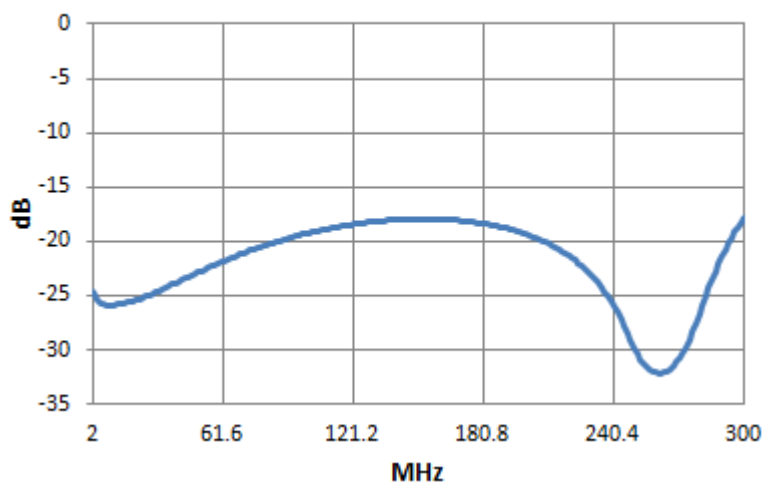




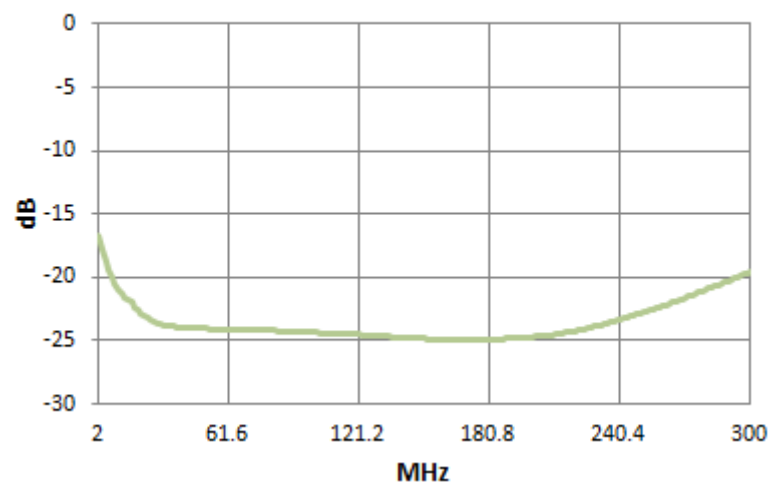
Amplitude



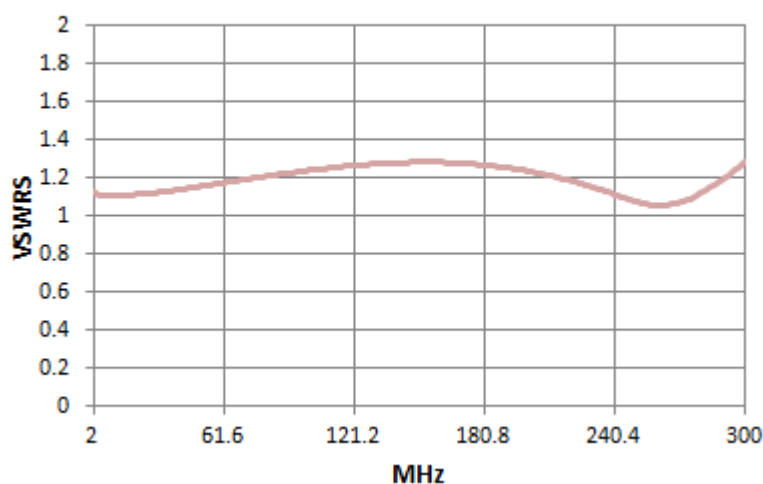
Input Return Loss



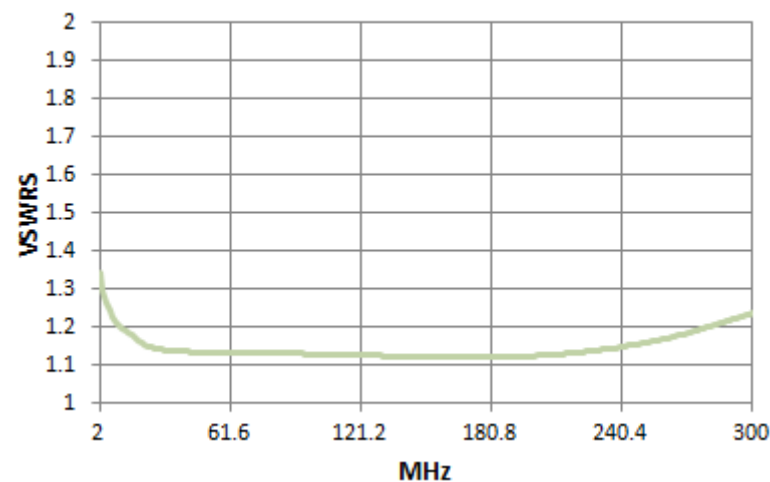
Output Return Loss3



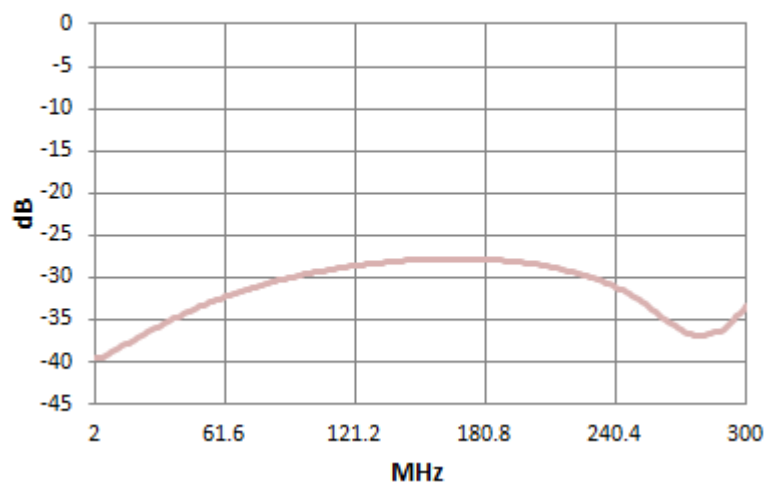
S-VSWR

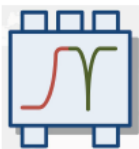


S3-OVSWR

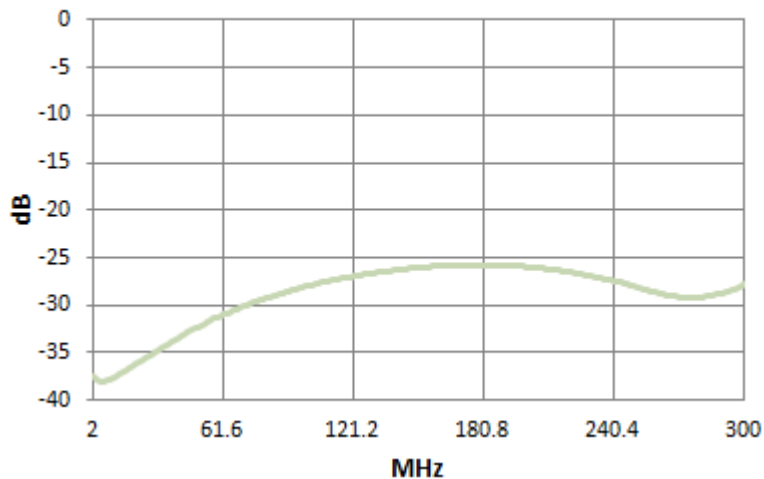


Isolation3-5

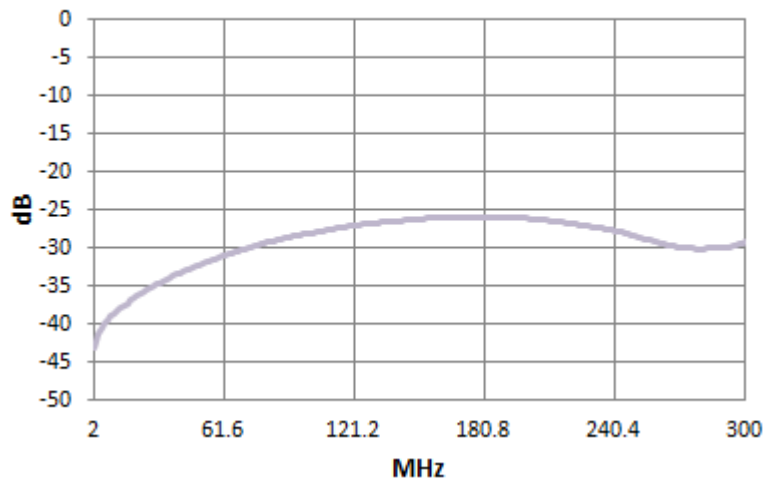




Isolation5-7



Isolation7-8



Isolation8-6

