

4Way 0° Divide Frequency: 5-1000MHZ.

Feature:

.4way 0degree Divide.

.SMT part.

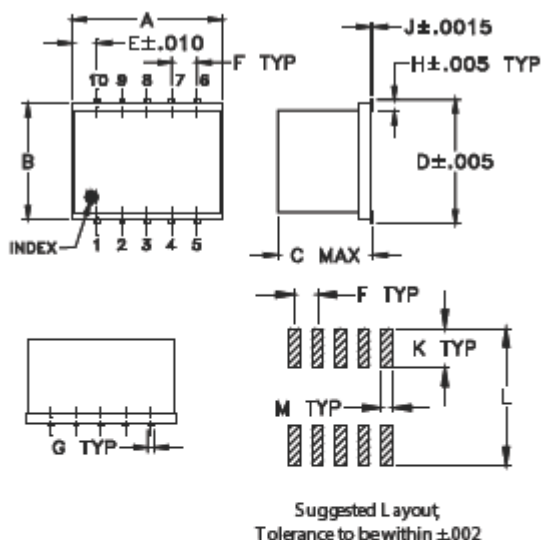
.Packaging 1000pcs per reel.

.used in 50 ohm systems.

.260 degree compatible.

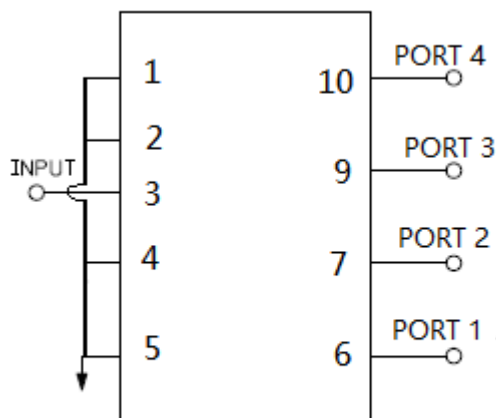
ROHS COMPLIANT

dimension



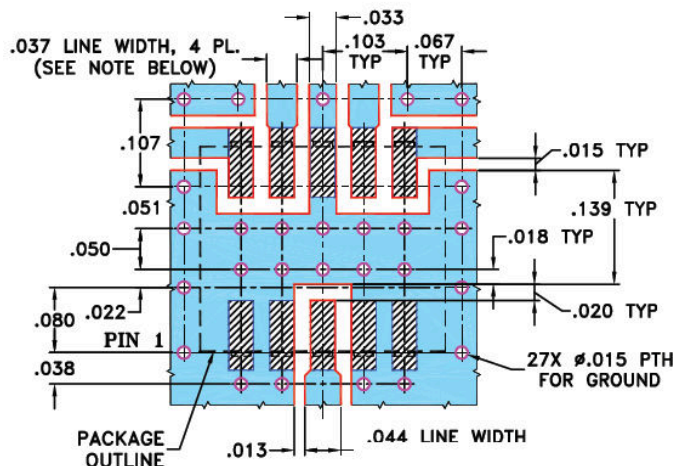
Dimensions (inch mm)

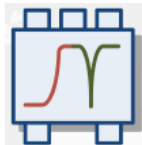
A	B	C	D	E	F	G
.30	.250	.190	.266	.050	.050	.012
7.62	6.35	4.83	6.76	1.27	1.27	0.30
H	J	K	L	M		
.029	.004	.085	.296	.030		
0.74	0.10	2.16	7.52	0.76		



Schematic

Suggested PCB Layout

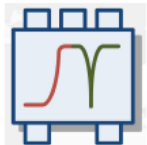




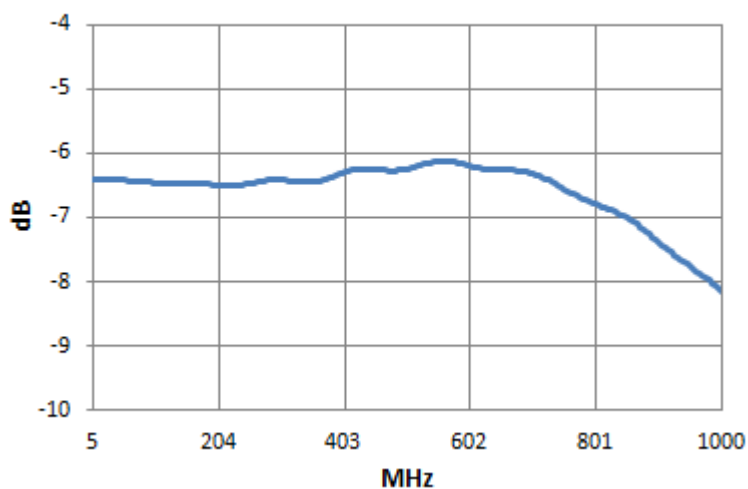
PIN CONFIGURATION	
PIN	FUNCTION
10	PORT 4
1,2,4,5,8	GND
9	PORT 3
6	PORT 1
7	PORT 2
3	Input

Absolute Maximum Ratings	
Parameter	Absolute Maximum
RF Power	0.5W
DC Current	240mA
Operating Temperature	-40℃ to +85℃
Storage Temperature	-55℃ to +100℃

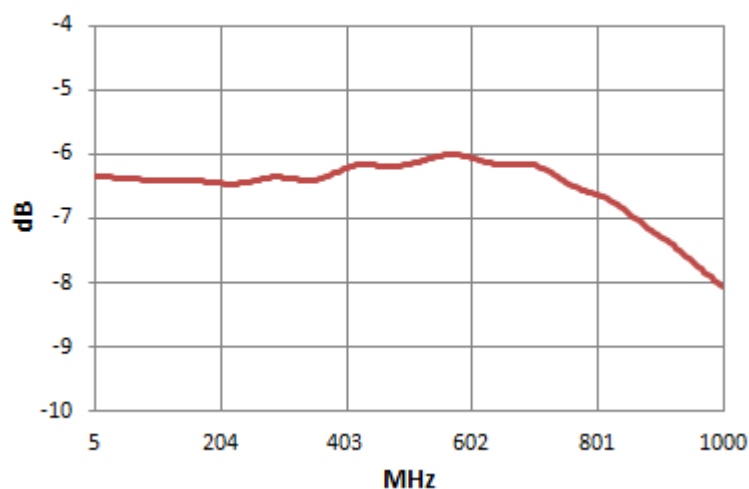
Electrical Specifications: TA=25℃, Zo=50Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Insertion Loss (ABOVE 6.0)	5 - 400MHz	dB	---	0.7	1.3
	400 - 500MHz	dB	---	0.8	1.5
	500 - 1000MHz	dB	---	1.2	2.5
Amplitude Unbalance	5 - 400MHz	dB	---	---	±0.8
	400 - 500MHz	dB	---	---	±0.7
	500 - 1000MHz	dB	---	---	±0.9
Phase Unbalance	5 - 400MHz	Degree	---	±0.1	±5
	400 - 500MHz	Degree	---	±0.5	±6
	500 - 1000MHz	Degree	---	±1.0	±11
Isolation Between All Output	5 - 400MHz	dB	18	30	---
	400 - 500MHz	dB	17	25	---
	500 - 1000MHz	dB	15	20	---
RF Power Rating (max)	0.5W				
DC Current	240mA				
Test Impedance	50OHM				



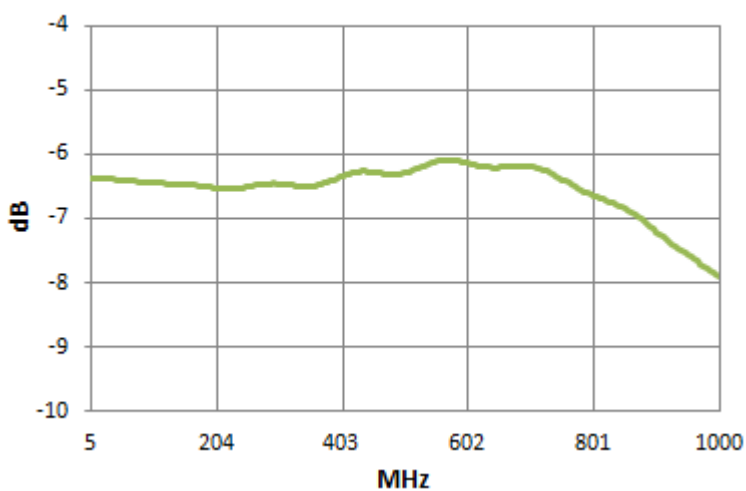
S-1



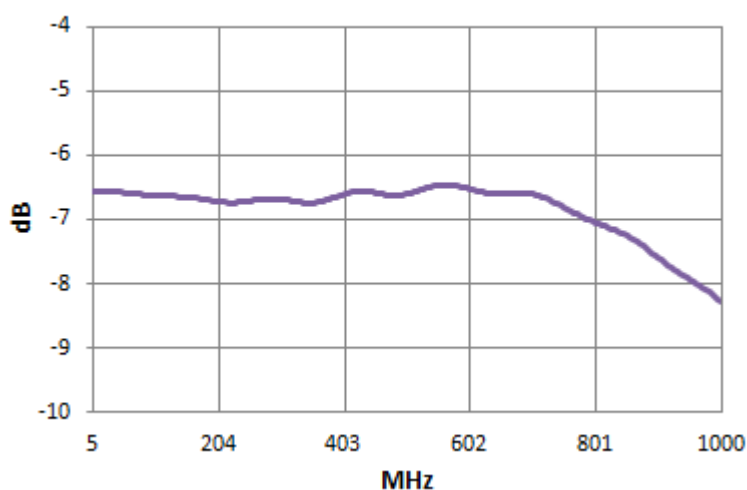
S-2



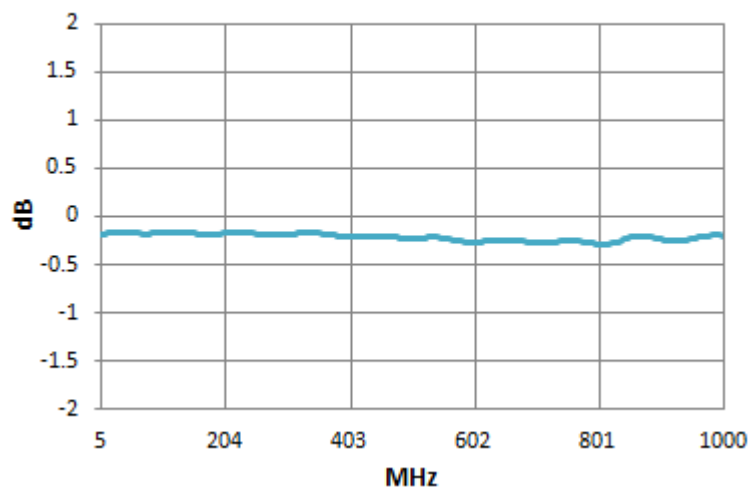
S-3



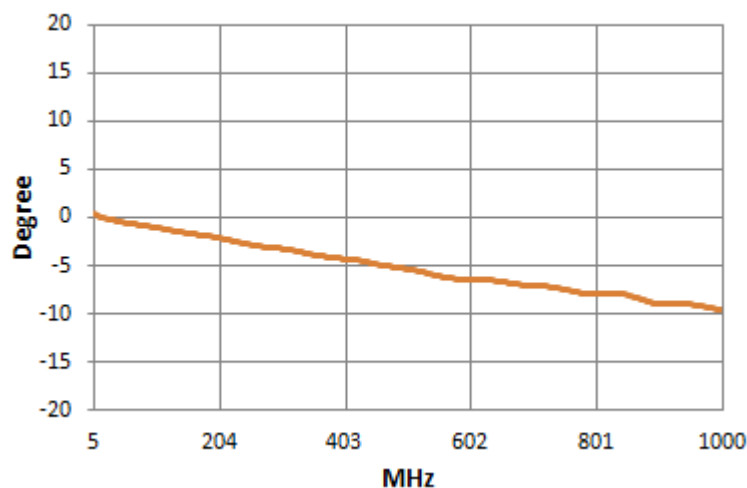
S-4

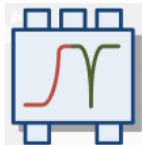


Amplitude

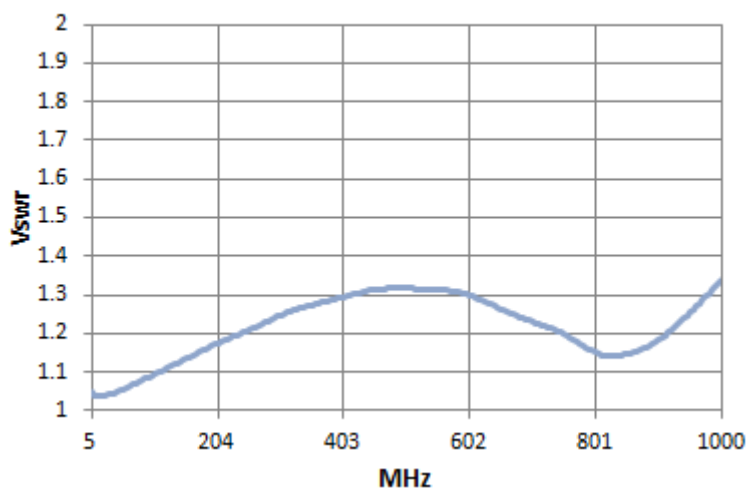


Phase

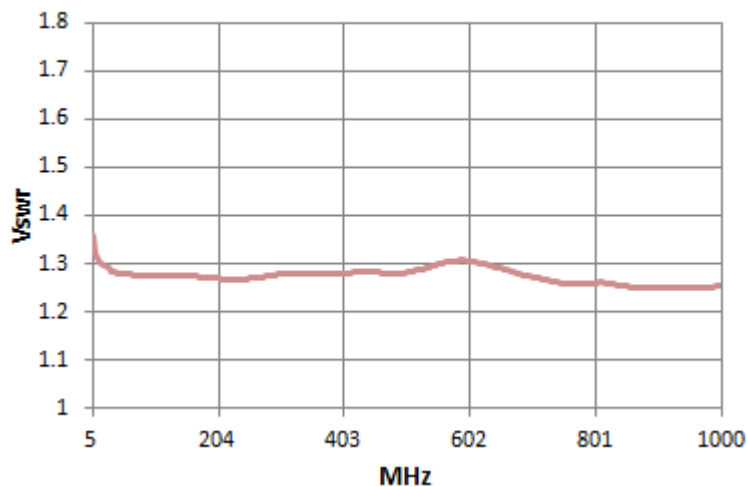




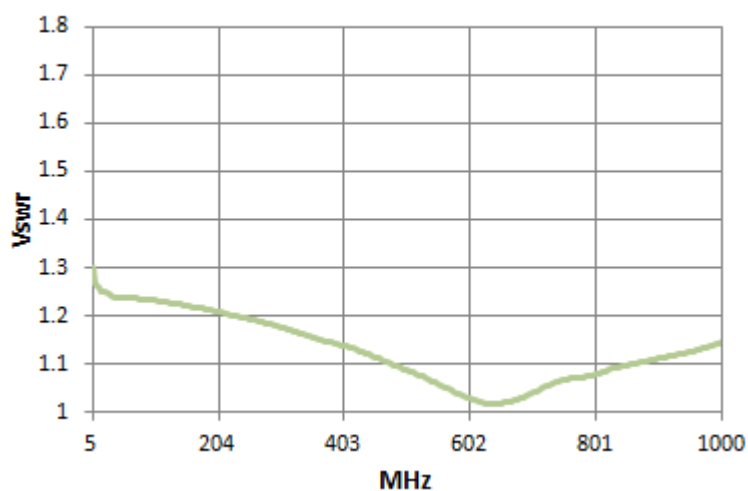
VSWR-S



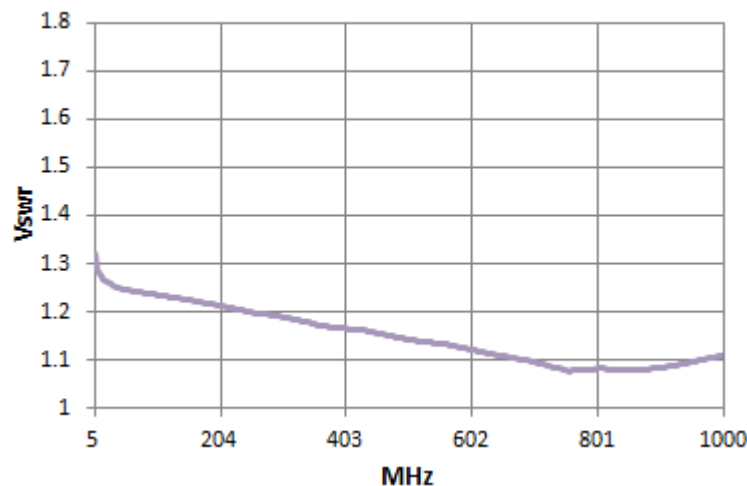
VSWR-1



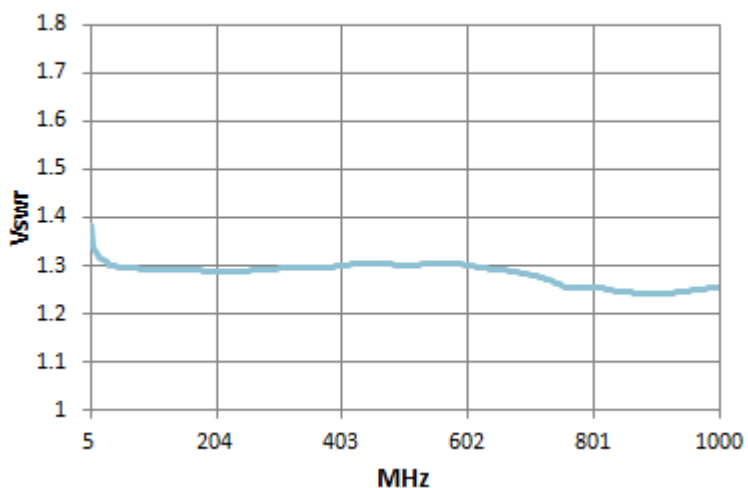
VSWR-2



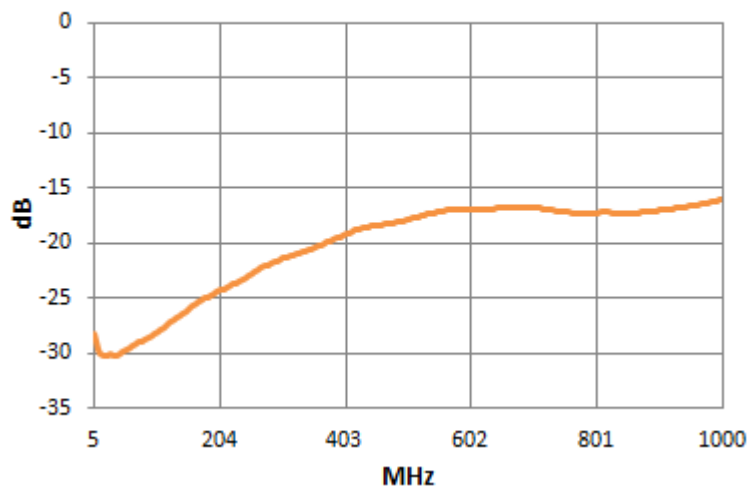
VSWR-3

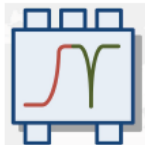


VSWR-4

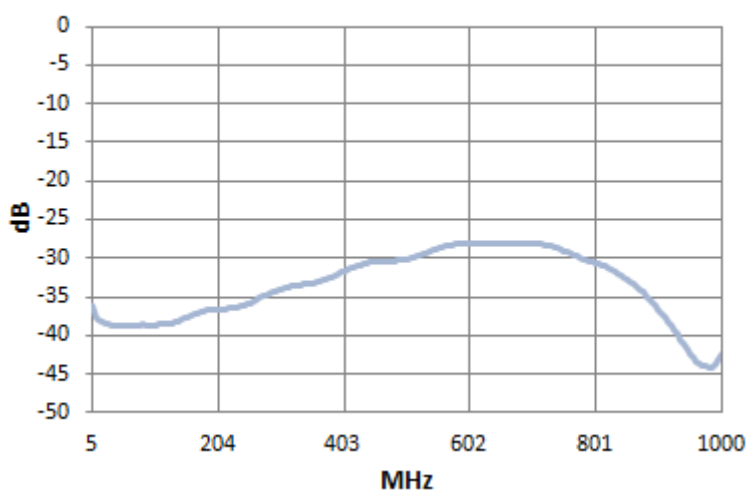


Isolation 1-2





Isolation 1-3



Isolation 2-3

