



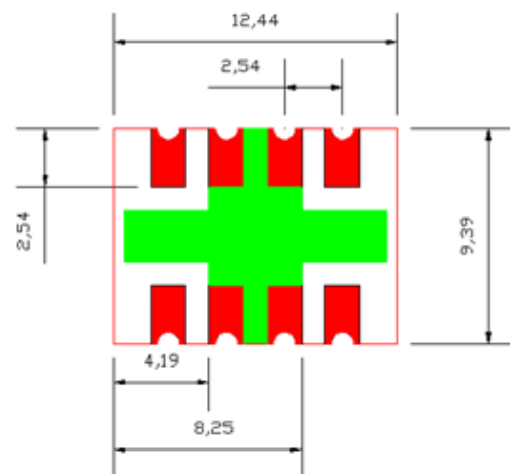
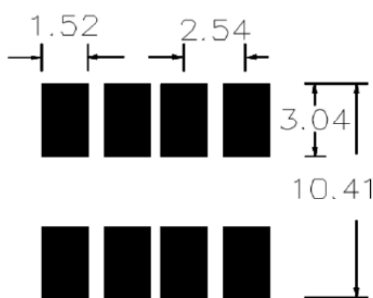
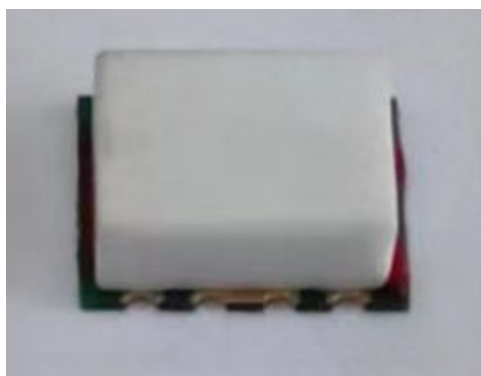
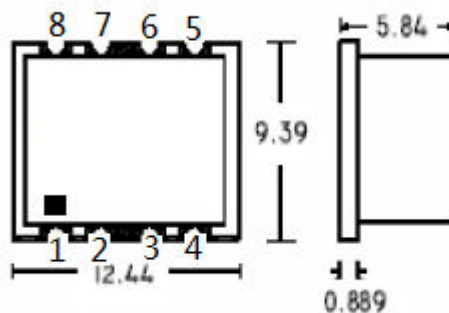
3Way 0° Divider Frequency: 5-1450MHZ.

Mechanical Dimension

Feature:

- .3way 0degree Divider.
- .SMT unit.
- .Packaging 500pcs per reel.
- .used in 50ohm systems.
- .260 degree compatible.

ROHS COMPLIANT

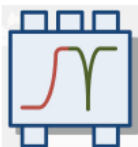


Unit:mm

Tolerance: ± 0.3



electrical schematic

**PIN CONFIGURATION**

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

Ordering Information

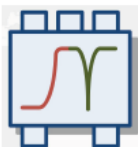
Part Number	Package
1	500pcs/reel

Absolute Maximum Ratings

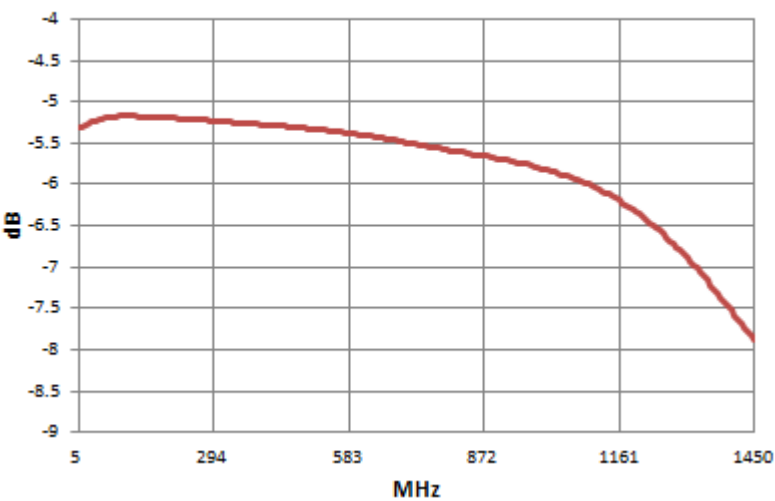
Parameter	Absolute Maximum
RF Power	1 W
Internal Load Dissipation	0.15W
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +100°C

Electrical Specifications at 25°C

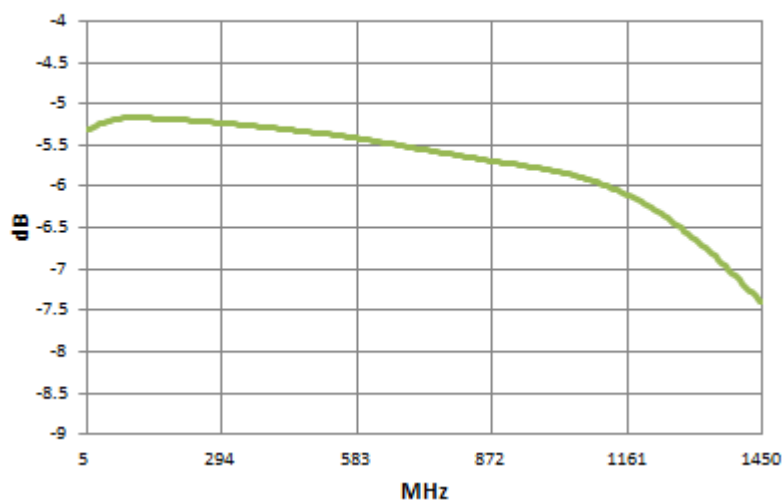
Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		5		1450	MHz
Insertion Loss Above 4.8 dB	5-400	—	0.7	1.3	dB
	400-1200	—	1.5	2.4	
	1200-1450	—	2.2	3.3	
Isolation	5-400	17	24	—	dB
	400-1200	15	20	—	
	1200-1450	13	19	—	
Phase Unbalance	5-400	—	—	2.0	Degree
	400-1200	—	—	5.0	
	1200-1450	—	—	9.0	
Amplitude Unbalance	5-400	—	—	0.3	dB
	400-1200	—	—	0.7	
	1200-1450	—	—	0.9	
VSWR (Port S)	5-400	—	1.20	—	:1
	400-1200	—	1.65	—	
	1200-1450	—	1.65	—	
VSWR (Port 1-3)	5-400	—	1.10	—	:1
	400-1200	—	1.20	—	
	1200-1450	—	1.20	—	



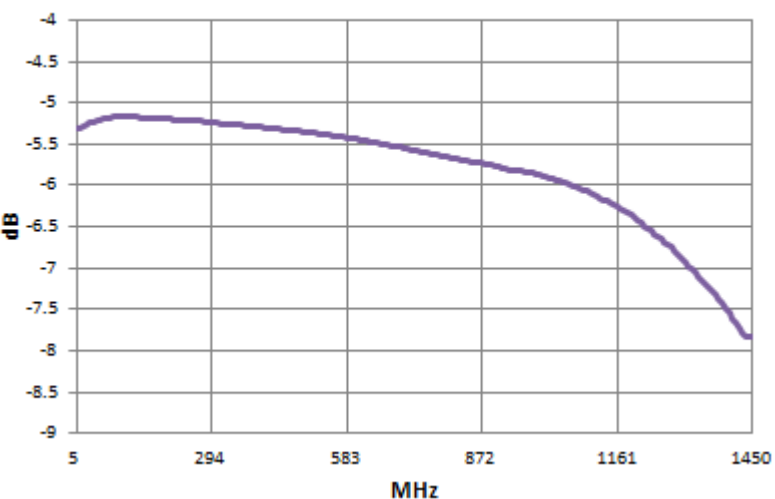
S-1



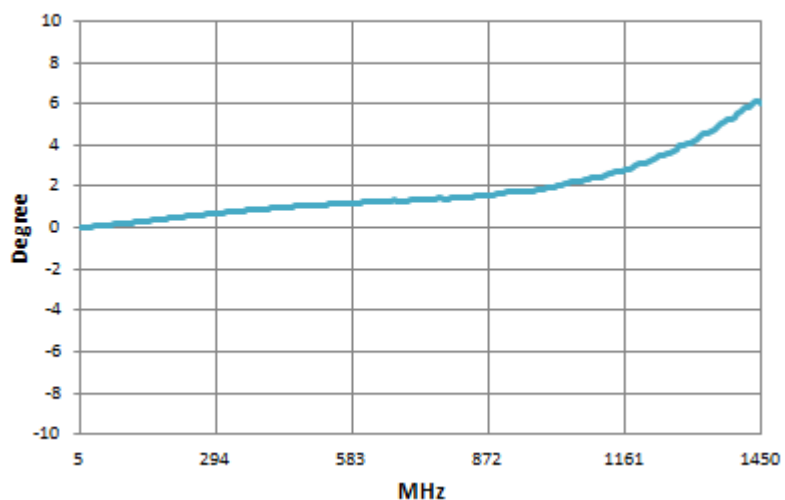
S-2



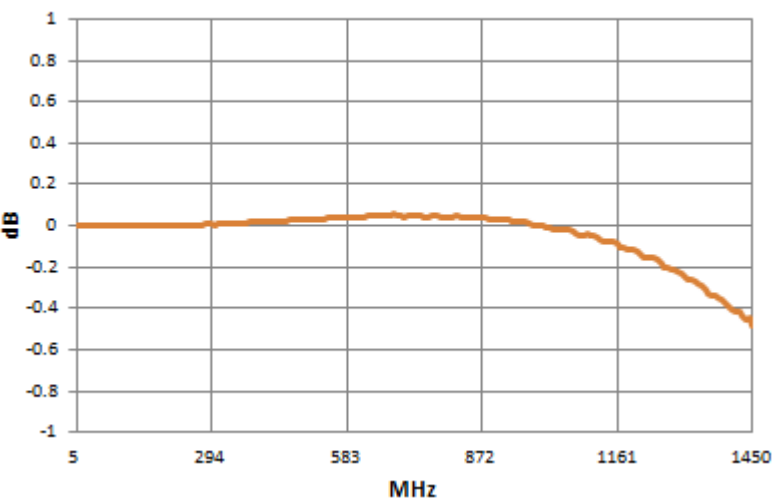
S-3



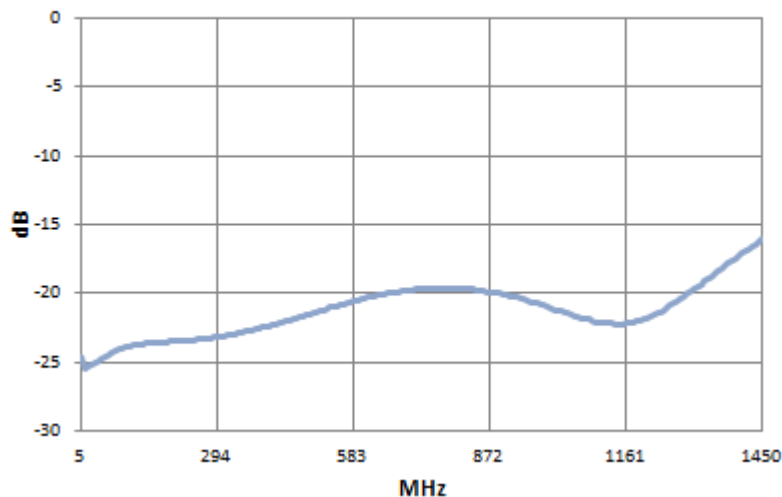
Phase

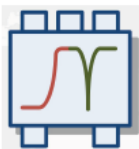


Amplitude

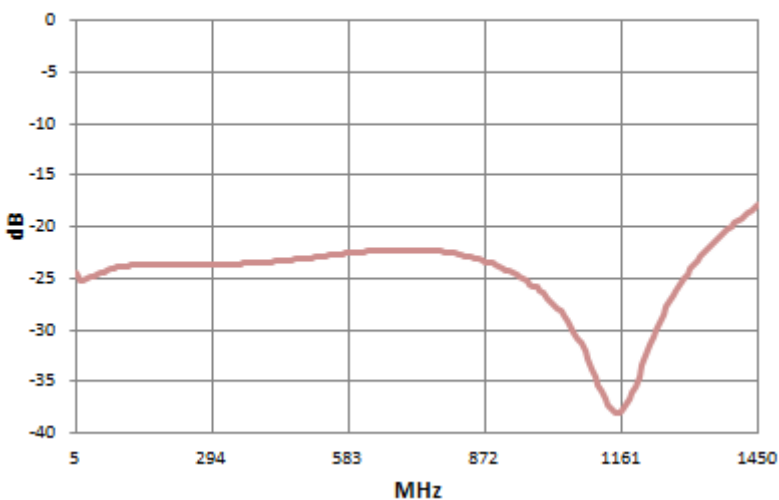


Isolation 1-2

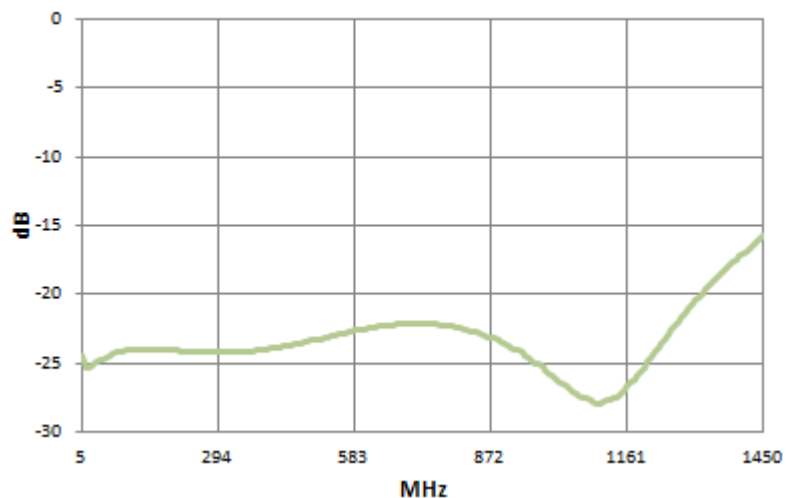




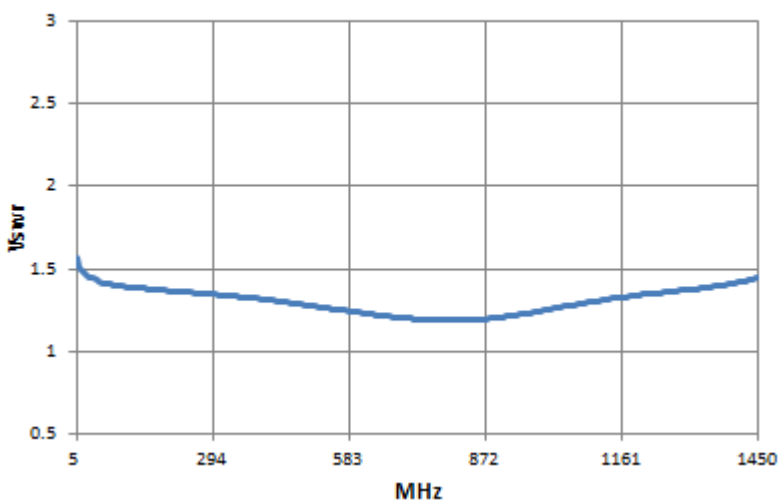
Isolation 2-3



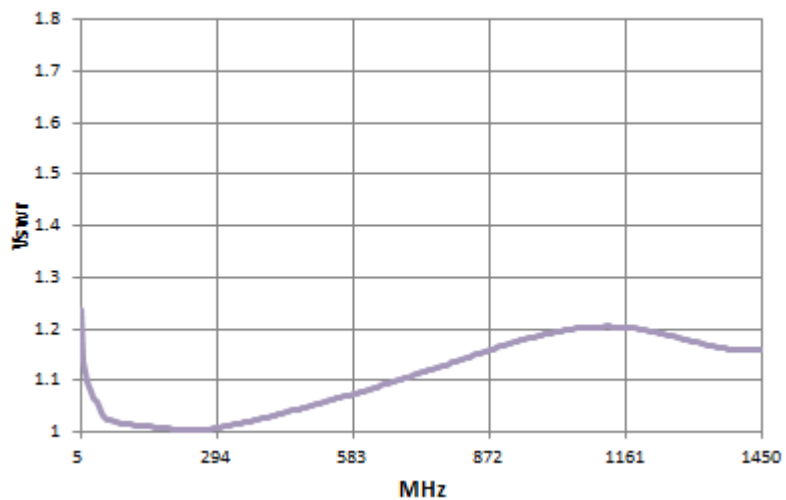
Isolation 1-3



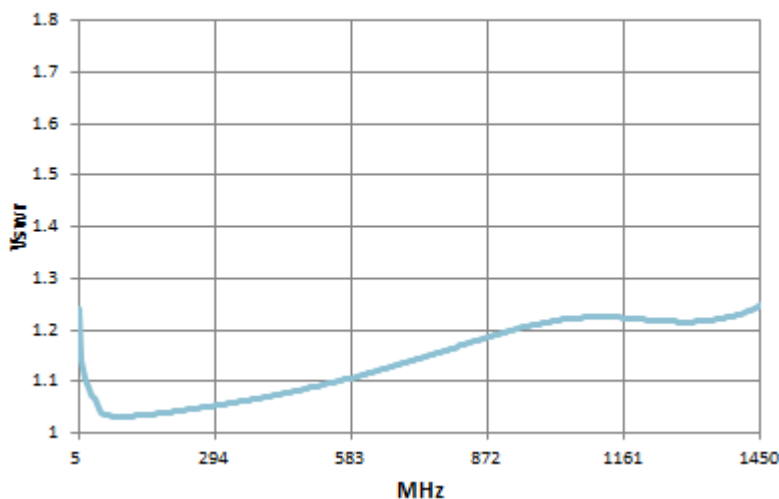
VSWR-S



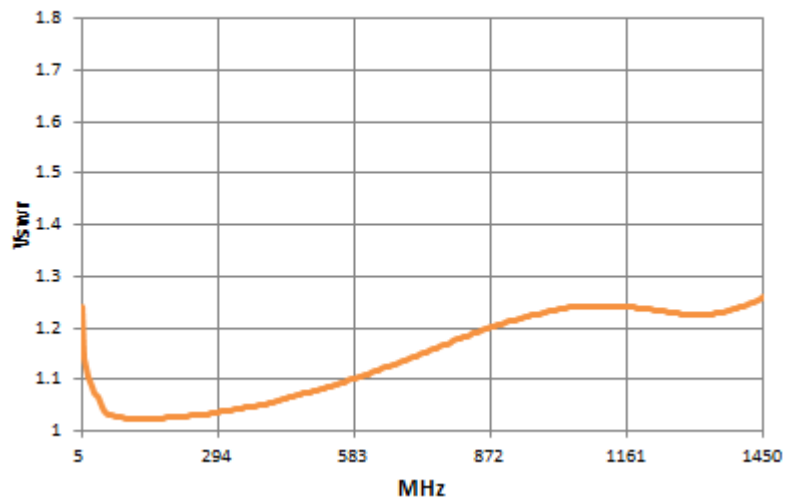
VSWR-1

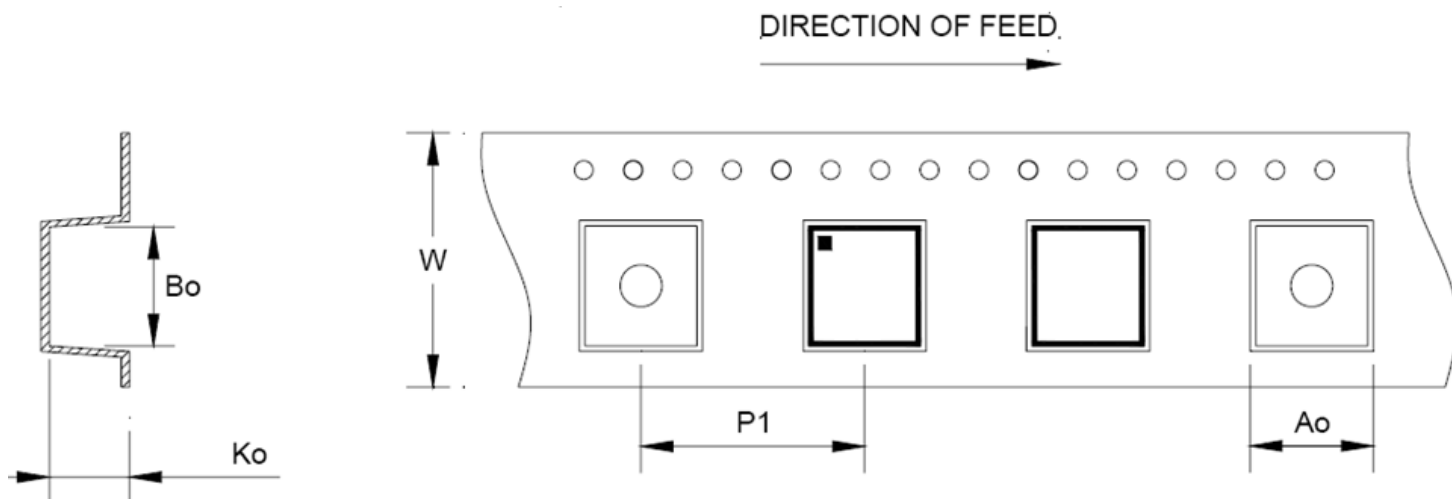
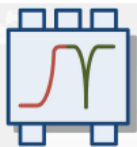


VSWR-2

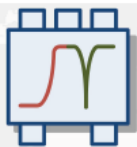


VSWR-3





Item	Dimension
Ao	10.26mm +/-0.1mm
Bo	13.46mm +/-0.1mm
Ko	6.10mm +/-0.1mm
W	24.00mm +/-0.3mm
P1	16.00mm +/-0.1mm

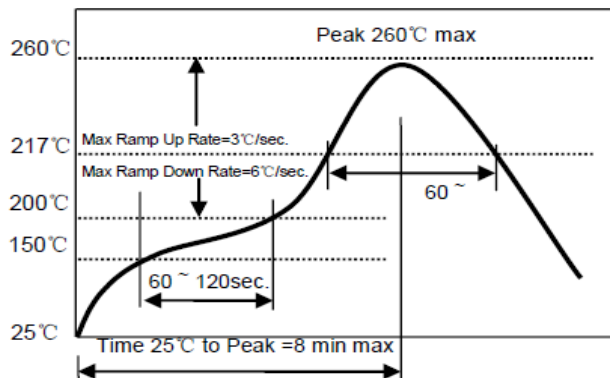


Recommended SMT Procedure:

Reflow Profile

- Preheat condition: 150 ~200 °C/60~120sec.
- Allowed time above 217 °C: 60~90sec.
- Max temp: 260 °C
- Max time at max temp: 10sec.
- Solder paste: Sn/3.0Ag/0.5Cu
- Allowed Reflow time: 2x max

[Note: The reflow profile in the above table is only for qualification and is not meant to specify board assembly profiles. Actual board assembly profiles must be based on the customer's specific board design, solder paste and process, and should not exceed the parameters as the Reflow profile shows.]



Iron Soldering Profile

- Iron soldering power: Max.30W
- Pre-heating: 150 °C / 60 sec.
- Soldering Tip temperature: 350 °C Max.
- Soldering time: 3 sec Max.
- Solder paste: Sn/3.0Ag/0.5Cu
- Max.1 times for iron soldering

