


1. Test conditions

RF power	0	dBm	
Room Temperature	23	°C	
Terminating source impedance (ZS):	50	Ω	unbalanced
Terminating load impedance (ZL):	100	Ω	balanced

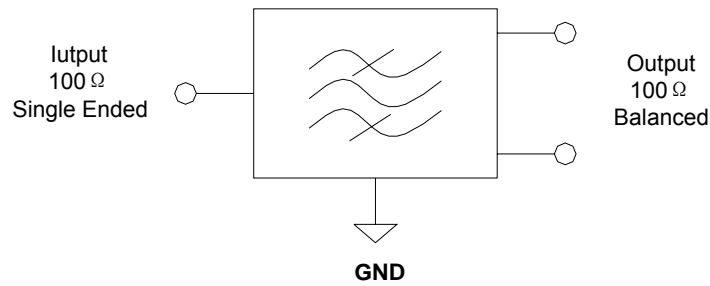
2. Specifications

	Minimum	Typical	Maximum	Unit
Centre frequency		462.4		MHz
Pass Band	460.0		464.8	MHz
Insertion Loss in Pass Band		2.5	3.5	dB
VSWR in Pass Band			1.9:1	
Rejections				
0 MHz – 350 MHz	55	60		dB
350 MHz – 450MHz	45	52		dB
450 MHz – 454.8 MHz	25	31		dB
480 MHz – 500 MHz	32	36		dB
500 MHz – 530 MHz	42	47		dB
530 MHz – 850 MHz	50	60		dB
850 MHz – 1500 MHz	50	55		dB
1500 MHz – 2000 MHz	45	50		dB
2000 MHz – 2500 MHz	40	45		dB
Output phase imbalance	-7	-4	+2	°
Output amplitude imbalance	-1	0	+1	dB
RF power			+20	dBm
Operating temperature range	-10		+85	°C
Storage temperature range	-40		+100	°C
Temperature coefficient of frequency		-30		ppm/°C

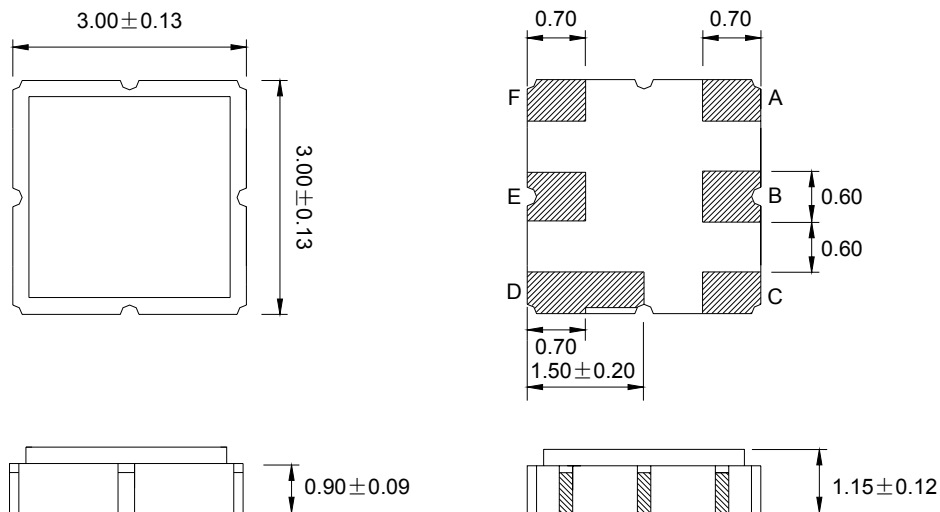
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3. Matching Network


50 Ω / 100 Ω Configuration



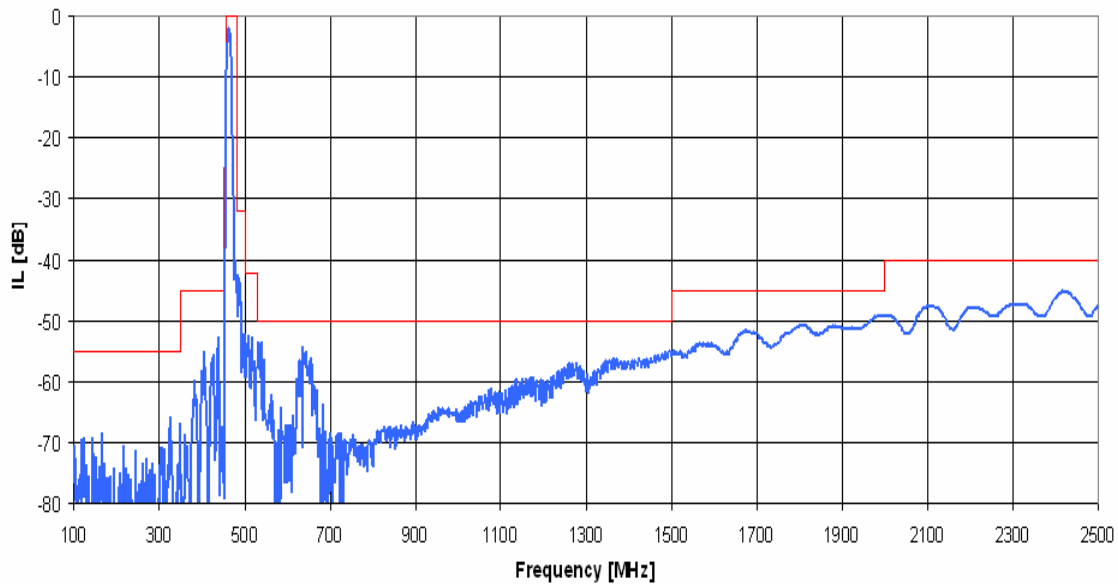
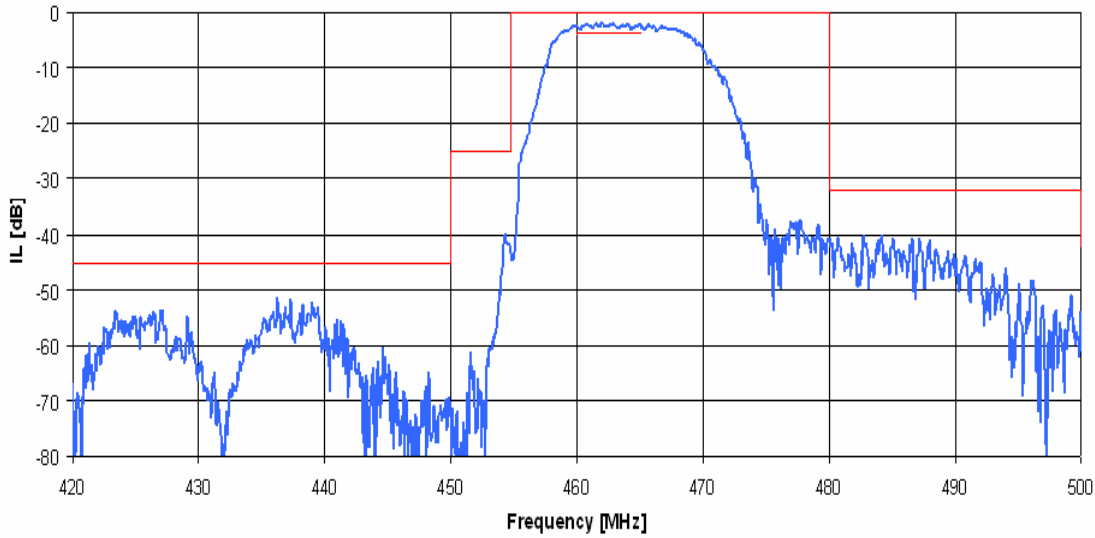
4. Package Dimension




PinA +RF Out
PinB Output Ground
PinC -RF Out
PinD Input Ground

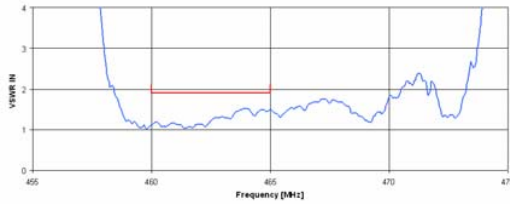
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5. Typical Performance

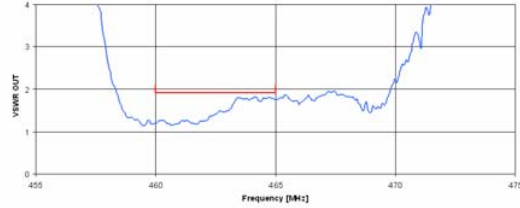


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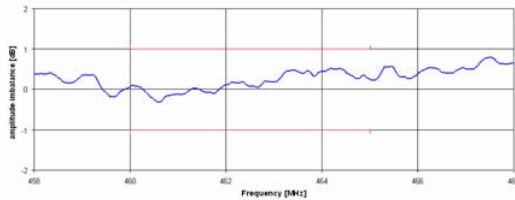
VSWR In



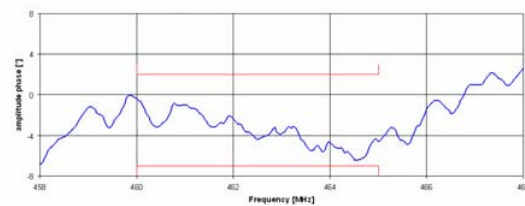
VSWR Out



Amplitude Imbalance

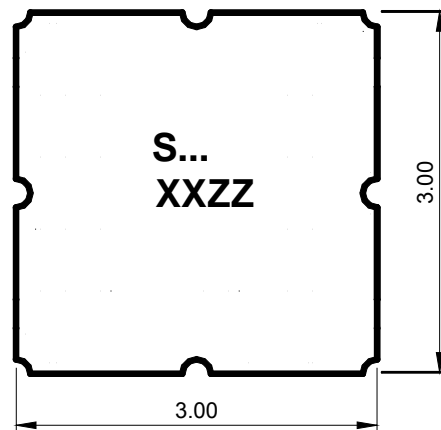



Phasen Imbalance



6. Marking

- S...** : Type
- XXZZ** : Date code
- XX** : Year
- ZZ** : Calendar week



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7. Tape & Reel:

1.1 Packing

The product shall be properly packed to avoid damaged during transportation and storage.

1.2 Demensions

1.2.1 Carrier Tape: see Figure 1

1.2.2 Reel: see Figure 3

1.3 Reeling Quantity

3.000 pcs/reel

1.4 Taping Structure

1.4.1 Tape & Reel Orientation

The tape shall be wound around the reel in the direction shown below.

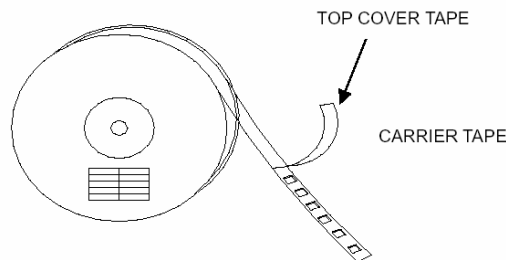



Figure 1 Taping Structure

1.4.2 Label

Device name	S.....
Quantity	3.000
Datecode	

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1.4.3 Leader part and vacant position specifications.

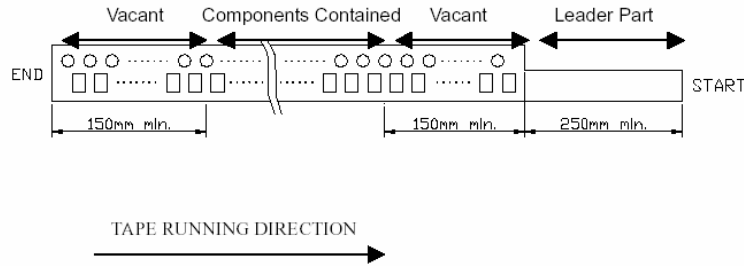


Figure 2 2 Leader specification

1.4.4 Tape Specifications

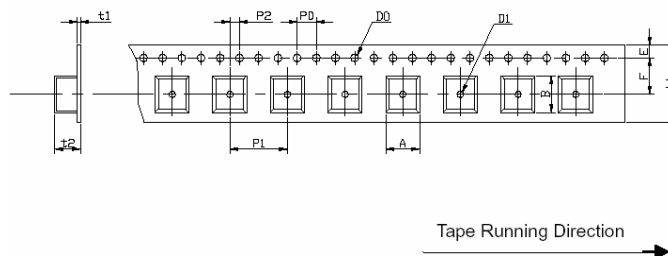
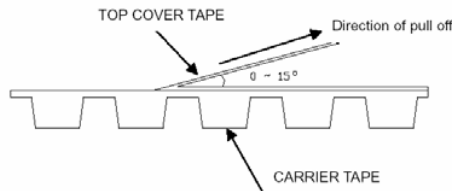
Tensile Strength of Carrier Tape: 4.4N/mm width

Top Cover Tape Adhesion (see figure below)

pull off angle: 0~15°

speed : 300mm/min.

force : 20~70g




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Figure 3 Carrier Tape Dimensions

W	F	E	P0	P1	P2	D0	D1	t1	t2	A	B
12.0	5.5	1.75	4.0	4.0	2.0	Φ1.5	Φ1.5	0.31	1.95	3.3	3.3
±0.3	±0.1	±0.1	±0.2	±0.1	±0.2	±0.1	±0.25	max.	max.	±0.1	±0.1

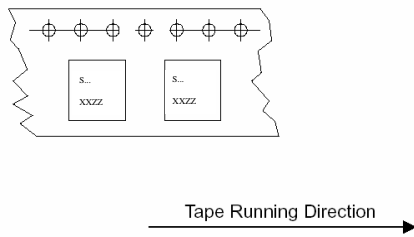


Figure 4 Part Direction

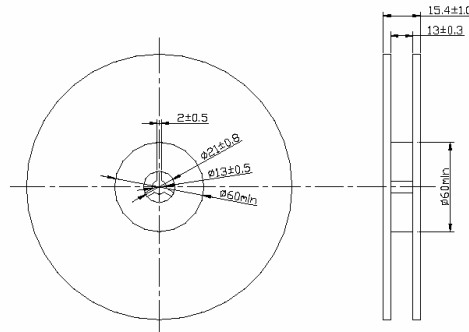


Figure 5 Reel Dimensions

Remarks

1 Static voltage:


Static voltage between signal load & ground may cause deterioration & destruction of the component. Please avoid static voltage.

2 Ultrasonic cleaning:

Ultrasonic vibration may cause deterioration & destruction of the component. Please avoid ultrasonic cleaning.

3 Soldering:

Only leads of component may be soldered. Please avoid soldering other parts of component.

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