PRELIMINARY

2450 MHz Power Divider **P/N 2450PD14A0100**

Detail Specification: 08/10/07

General Specifications

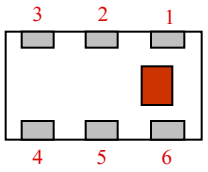
Part Number	2450PD14A0100	
Frequency (MHz)	2400 - 2500	
Insertion Loss @ BW	OUT1	3.4 ± 0.6
	OUT2	3.4 ± 0.6
Attenuation	4800 - 5000	8 dB min.
	7200 - 7500	15 dB min.

Return Loss	14 dB min.
Phase Balance	0° ± 3
Isolation	25 dB min.
Operating Temperature	-40 to +85°C
Reel Quanity	4,000
Power Capacity	500 mW max.

P/N Suffix	**Packaging Style**	Bulk	Suffix = S	Eg. 2450PD14A0100S
		T & R	Suffix = E	Eg. 2450PD14A0100E
	Termination Style	100% Tin	Suffix = None	Eg. 2450PD14A0100(E or S)
		Tin / Lead	Please consult Factory	

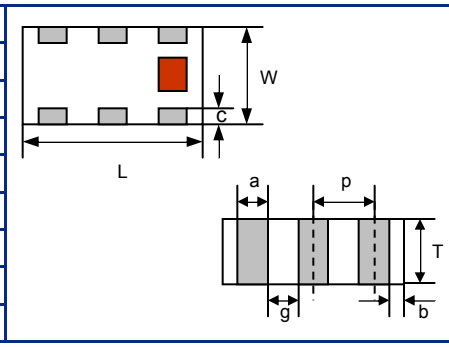
Terminal Configuration

No.	Function
1	GND
2	IN
3	GND
4	OUT1
5	NC or GND
6	OUT2



Mechanical Dimensions

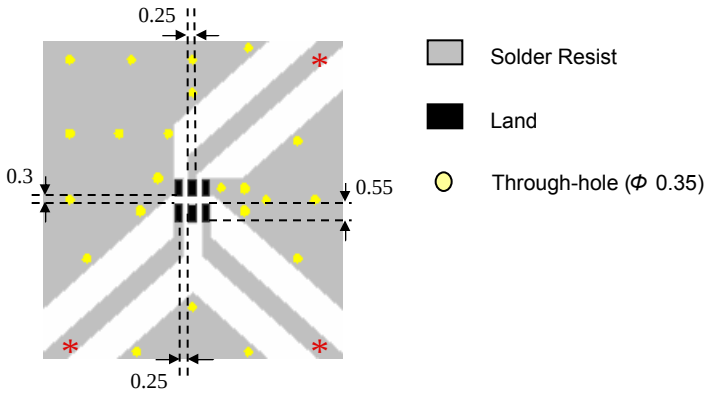
	In	mm
L	0.063 ± 0.004	1.60 ± 0.10
W	0.031 ± 0.004	0.80 ± 0.10
T	0.024 ± 0.004	0.60 ± 0.10
a	0.008 ± 0.004	0.20 ± 0.10
b	0.008 +.004/-.006	0.20 +0.1/-0.15
c	0.006 ± 0.004	0.15 ± 0.10
g	0.012 ± 0.004	0.30 ± 0.10
p	0.020 ± 0.002	0.50 ± 0.05



Mounting Considerations

Mount these devices with brown mark facing up. 100 ohm external resistor is required between OUT1 and OUT2.

* Line width should be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.



Units: mm

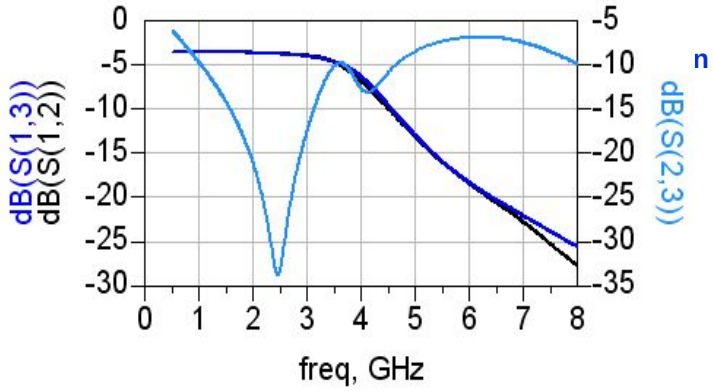
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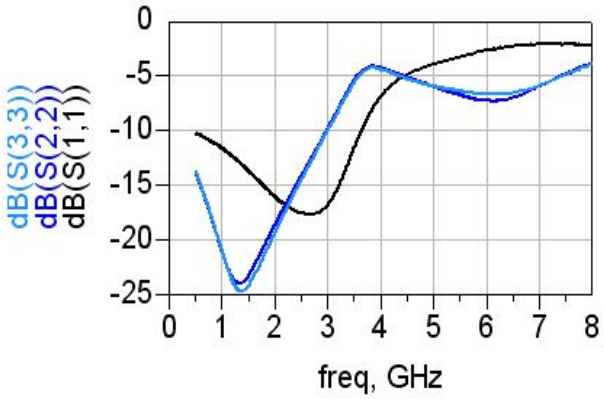
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Typical Electrical Performance (T=25°C)

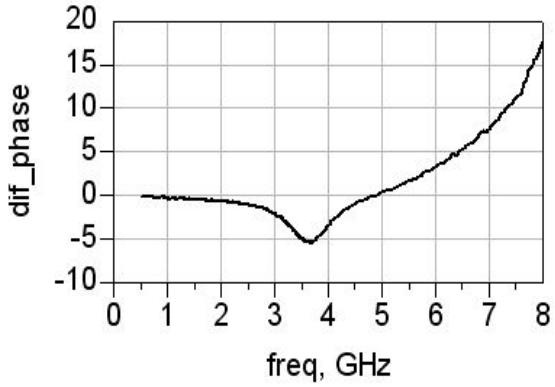
Attenuation & Isolation



Return Loss



Phase Balance



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