

"High Frequency Ceramic Solutions"

2450 MHz Power Divider

P/N 2450PD14B0100

Detail Specification 7/28/2016

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| General Specifications | | | | |
|--------------------------|----------------------------------------------------------------------------------|-----------|-----------------------|--------------|
| Part Number | 2450PD14B0100 | | Return Loss (dB) | 11.7 min. |
| Frequency (MHz) | 2400 - 2500 | | Isolation (dB) | 25 min. |
| Insertion Loss @ BW (dB) | OUT1 | 3.4 ± 0.6 | Phase Balance | 0° ± 3 |
| | OUT2 | 3.4 ± 0.6 | Operating Temperature | -40 to +85°C |
| Attenuation (dB) | 4800 - 5000 | 8 min. | Reel Quantity | 4,000 |
| | 7200 - 7500 | 15 min. | Power Capacity | 3 W max. |
| Storage | 1 yr. shelf life in bag; 1 week shelf life out of bag; Vacuum reseal unused reel | | | |

| P/N Suffix | Packaging Style | Bulk | Suffix = S | E.g. 2450PD14B0100S |
|---------------|-------------------|------------|------------------------|----------------------------|
| | | T & R | Suffix = E | E.g. 2450PD14B0100E |
| | Termination Style | 100% Tin | Suffix = None | E.g. 2450PD14B0100(E or S) |
| | | Tin / Lead | Please consult Factory | |

Terminal Configuration

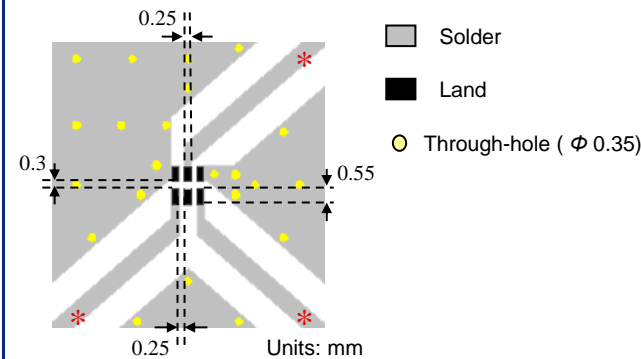
| No. | Function |
|-----|-----------|
| 1 | GND |
| 2 | IN |
| 3 | GND |
| 4 | OUT1 |
| 5 | NC or GND |
| 6 | OUT2 |

Mechanical Dimensions

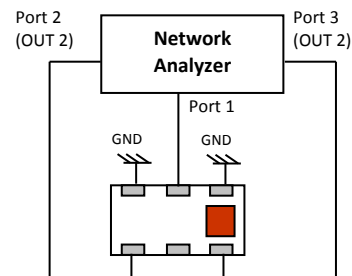
| | in | mm |
|---|-------------------|-----------------|
| L | 0.063 ± 0.004 | 1.60 ± 0.10 |
| W | 0.031 ± 0.004 | 0.80 ± 0.10 |
| T | 0.024 ± 0.004 | 0.60 ± 0.10 |
| a | 0.008 ± 0.004 | 0.20 ± 0.10 |
| b | 0.008 +.004/-.006 | 0.20 +0.1/-0.15 |
| c | 0.006 ± 0.004 | 0.15 ± 0.10 |
| g | 0.012 ± 0.004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

Mounting Considerations

Mount these devices with brown mark facing up.
 * Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.



Measuring Diagram



*100Ω external resistor required between OUT1 and OUT2

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Ver. 1.1

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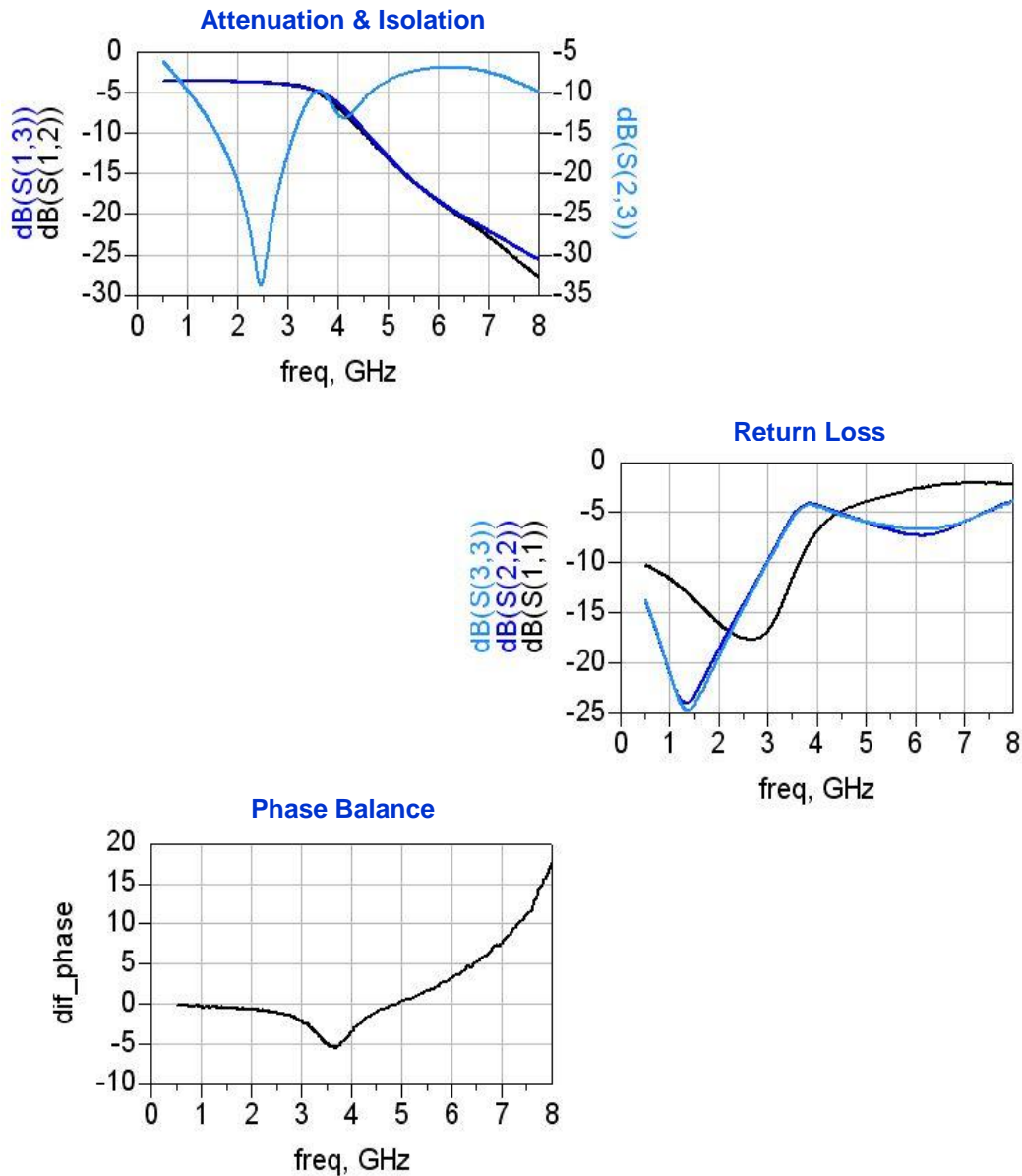
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Typical Electrical Performance (T=25°C)



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