

Excellent Integrated System Limited

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[Johanson Technology Inc.](#)
[2450DP15A5512E](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

"High Frequency Ceramic Solutions"

2.45/5.512 GHz Diplexer

P/N 2450DP15A5512

Detail Specification: 01/13/2003

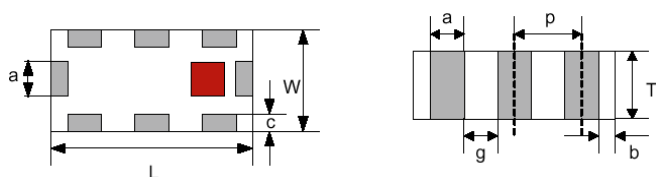
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Part Number	Frequency (MHz)	Attenuation Low Band	Attenuation High Band	Return Loss
2450DP15A5512_	2400 - 2500	0.70 dB max.	15 dB min.	9.5 dB min.
	5150 - 5875	20 dB min.	0.9 dB max.	9.5 dB min.

Input Power	Impedance	Operating Temperature Range	Reel Qty
3 Watts max	50 Ω	-40 to +85°C	4000

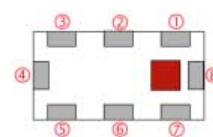
Mechanical Dimensions

	L	W	T	a	b	c	g	p
Inches	0.079 $\pm$.004	0.049 $\pm$.004	0.034 $\pm$.004	0.012 $\pm$.004	0.008 $\pm$.004	0.012 $\pm$.004/-0.008	0.014 $\pm$.004	0.026 $\pm$.002
mm	2.0 $\pm$ 0.1	1.25 $\pm$ 0.1	0.85 $\pm$ 0.1	0.30 $\pm$ 0.1	0.20 $\pm$ 0.1	0.30 $\pm$ 0.1/-0.2	0.35 $\pm$ 0.1	0.65 $\pm$ 0.05



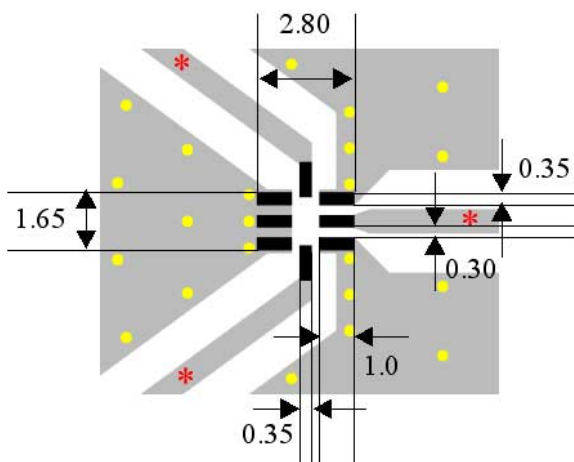
Terminal Configuration

No.	Function	No.	Function
1	GND	5	GND
2	Common Port (P1)	6	GND
3	GND	7	GND
4	High Freq. Port (P3)	8	Low Freq. Port (P2)



Mounting Considerations

Mount these devices with brown colored side facing up. Line width should be designed to provide 50 Ω impedance matching characteristics.



- Solder Resist
- Land
- Through-hole (ϕ 0.35)

Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.

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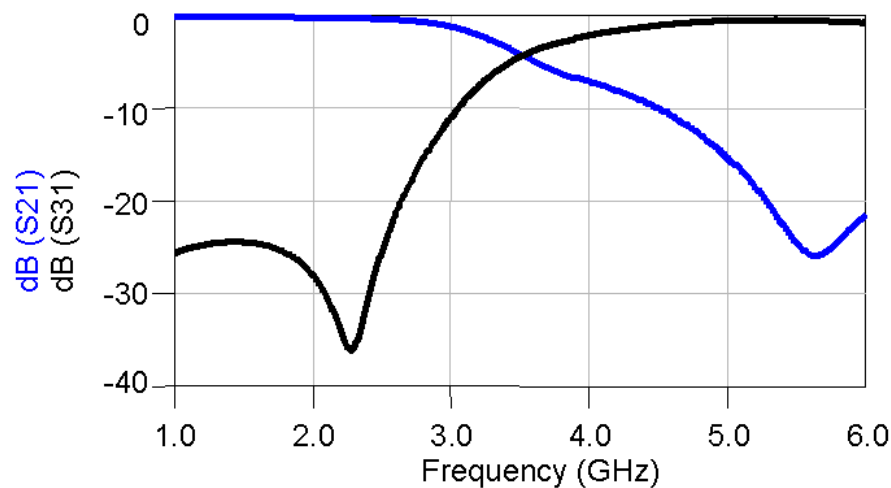
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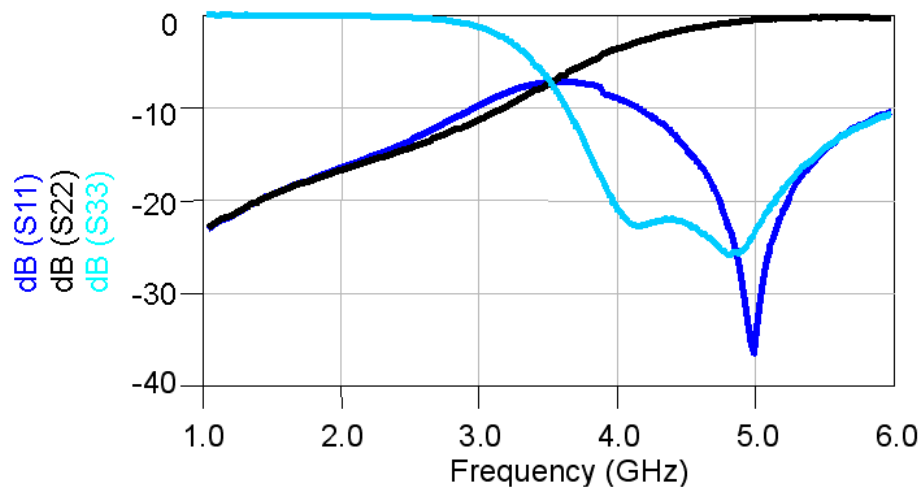
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Insertion Loss



Return Loss



For the above graphs: Port 1 is Pin 2
(Common Port); Port 2 is Pin 8 (Low Band); Port 3 is Pin 4 (High Band)