



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



"High Frequency Ceramic Solutions"

2450 / 5400 MHz Diplexer (LPF / BPF)

P/N 2450DP15F5400

Detail Specification: 06/05/06

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General Specifications

Part Number	2450DP15F5400		
Attenuation in Low Band Path	* 0.7 dB max.@ 2.4 ~ 2.5 GHz	18 dB min. @ 4.8 ~ 6.0 GHz	18 dB min. @ 7.2 - 7.5 GHz
Attenuation in High Band Path	* 1.0 dB max.@ 4.9 ~ 5.9 GHz	19 dB min. @ 1.8 ~ 2.5 GHz	25 dB ref. @ 10.3 - 10.7 GHz

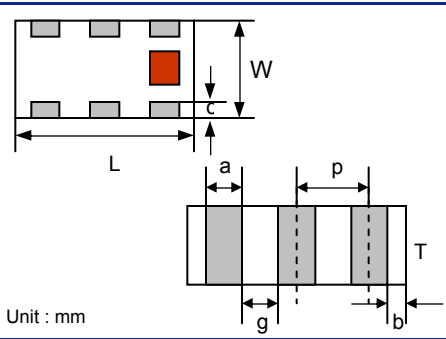
Input Power	3 Watts max.
Impedance	50 Ω
Operating Temp	-40 to +85°C
Storage Temp	-40 to +85°C
Reel Quantity	4000

Pass-band Return Loss In Both Bands	9.5 dB min.
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* Note: The I.L. parameters are based on probed & TRL cal'd measurement

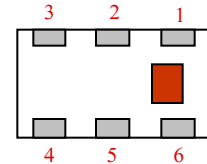
Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.022 ± 0.004	0.55 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/-0.008	0.30 +0.1/-0.2
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05



Terminal Configuration

No.	Function
1	Lower Freq. Port (P1)
2	GND
3	Higher Freq. Port (P3)
4	GND
5	Common Port (P2)
6	GND

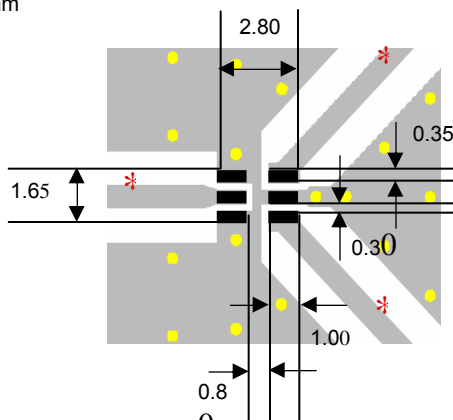





Mounting Considerations

Mount these devices with brown mark facing up.

Line width should be designed to provide 50Ω impedance matching characteristics.

Units: mm



-  Solder Resist
-  Land
-  Through-hole (φ0.35)

Johanson Technology, Inc. reserves the right to make design changes without notice.

All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechology.com

931 Via Alondra • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

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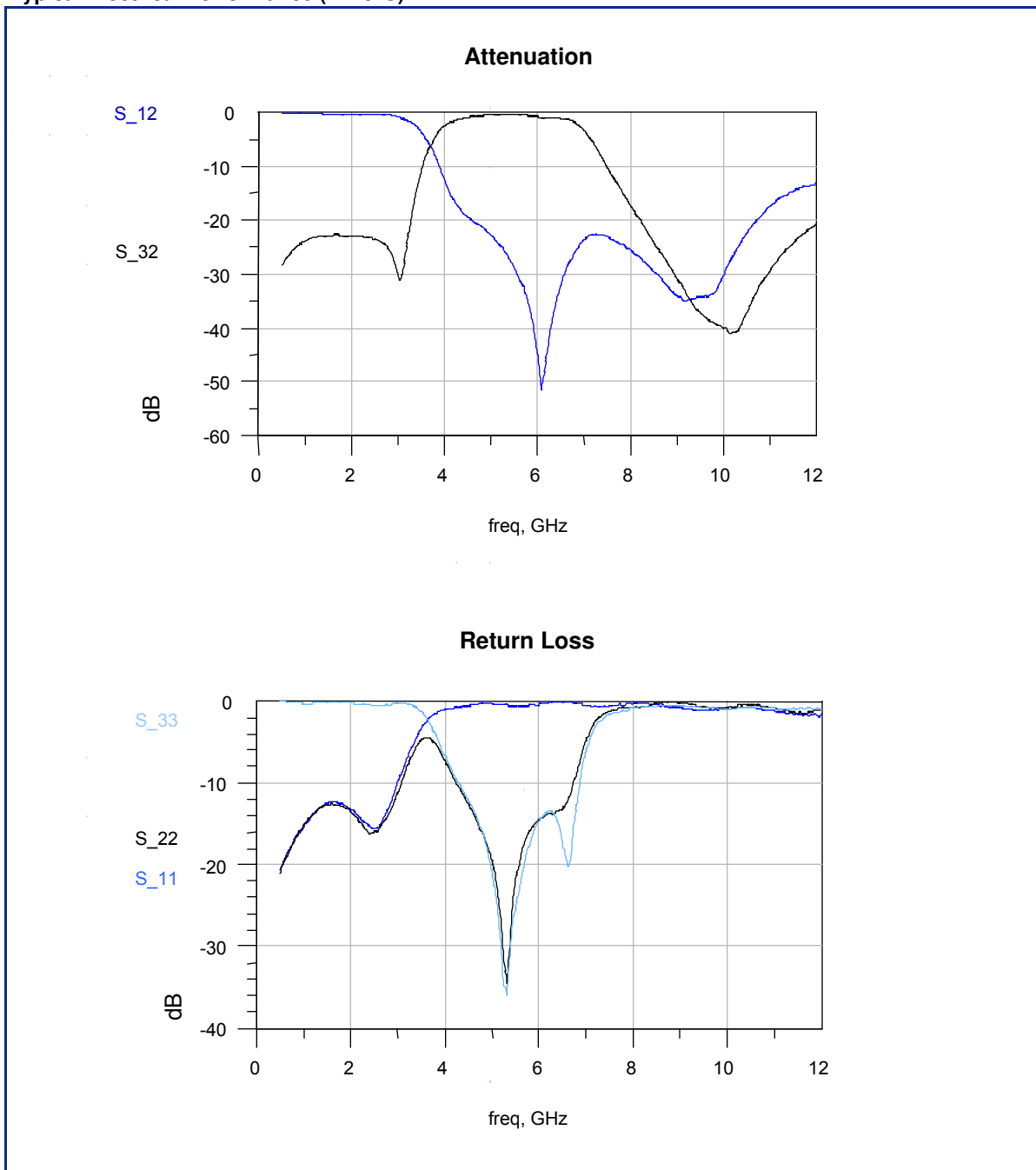
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Typical Electrical Performance (T=25°C)



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