

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Johanson Technology Inc.](#)
[2450DP15J5400E](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

"High Frequency Ceramic Solutions"

2.45 / 5.4GHz Diplexer

P/N 2450DP15J5400

Detail Specification: 05/13/10

Page 1 of 2

General Specifications

Part Number	2450DP15J5400
-------------	---------------

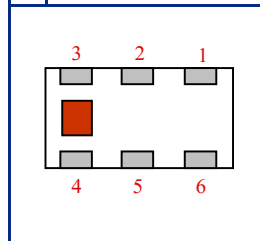
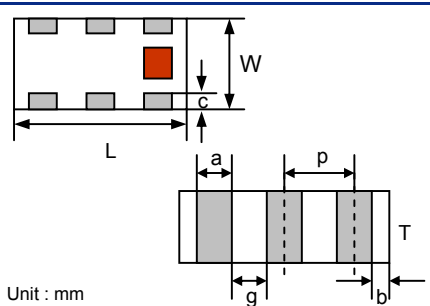
Passband (MHz)	Insertion Loss (dB)	Attenuation I	Attenuation II	Return Loss (dB)
2400~2500	0.7 max	18 dB min. @ 4.8 ~ 6.0 GHz	18 dB min. @ 7.2 ~ 7.5GHz	9.5 min.
4900~5900	1.0 max	19 dB min. @ 1.8 ~ 2.5 GHz	25 dB ref. @ 10.3 ~ 10.7GHz	9.5 min.

Input Power	2 Watts max.
Impedance	50 Ω
Operating Temp	-40 to +85°C
Storage Temp	+5 to +35°C, Humidity 45~75%RH, 12 mos max
Reel Quantity	4000

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

Mechanical Dimensions

	In	mm
L	0.079 $\pm$ 0.004	2.00 $\pm$ 0.10
W	0.049 $\pm$ 0.004	1.25 $\pm$ 0.10
T	0.022 $\pm$ 0.020	0.55 $\pm$ 0.50
a	0.012 $\pm$ 0.004	0.30 $\pm$ 0.10
b	0.008 $\pm$ 0.004	0.20 $\pm$ 0.10
c	0.012 $\pm$ 0.004	0.30 $\pm$ 0.10
g	0.014 $\pm$ 0.004	0.35 $\pm$ 0.10
p	0.026 $\pm$ 0.002	0.65 $\pm$ 0.05

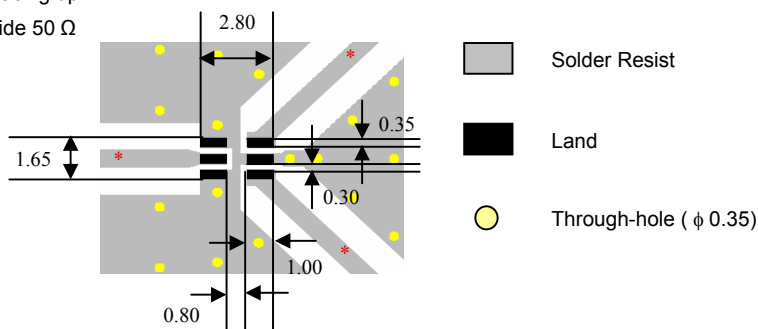


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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

"High Frequency Ceramic Solutions"

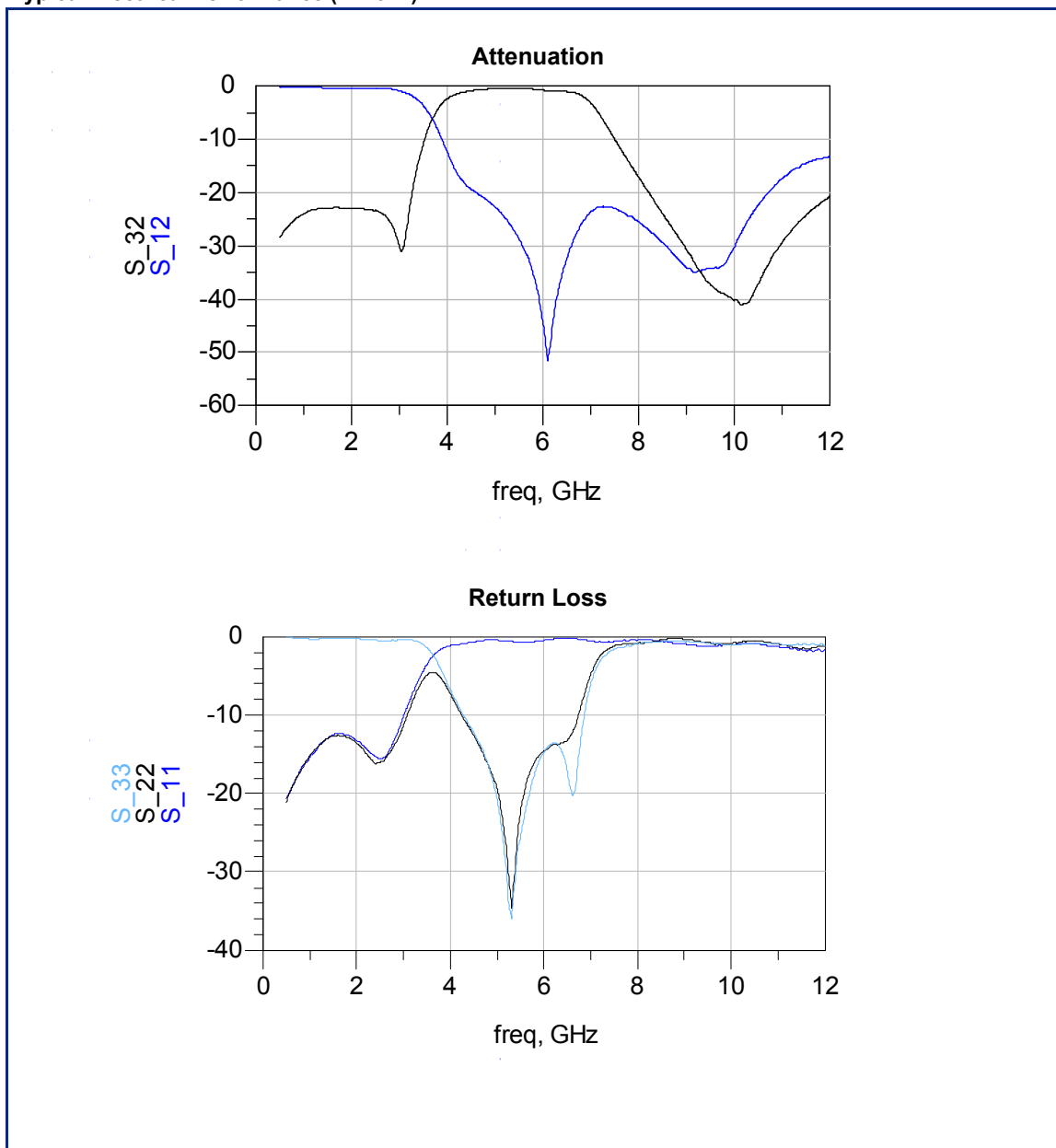
2.45 / 5.4GHz Diplexer

P/N 2450DP15J5400

Detail Specification: 05/13/10

Page 2 of 2

Typical Electrical Performance (T=25°C)



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

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