

"High Frequency Ceramic Solutions"

848 MHz Directional Coupler

Detail Specification: 06/23/03

P/N 0848CP14A075

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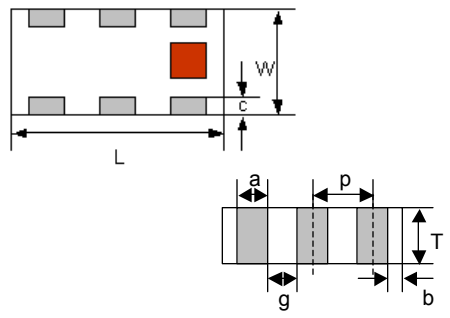
General Specifications

Part Number	0848CP14A075
Frequency (MHz)	810 - 885
Insertion Loss @ BW	0.25 dB max.
Return Loss	15.6 dB min.
Coupling	20.3±1.0
Isolation	28.0 min

Power Capacity	3.0 Watts max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Reel Quantity	4,000

Mechanical Dimensions

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



Terminal Configuration

No.	Function
1	IN
2	GND
3	Coupled OUT
4	Termination
5	GND
6	Main OUT

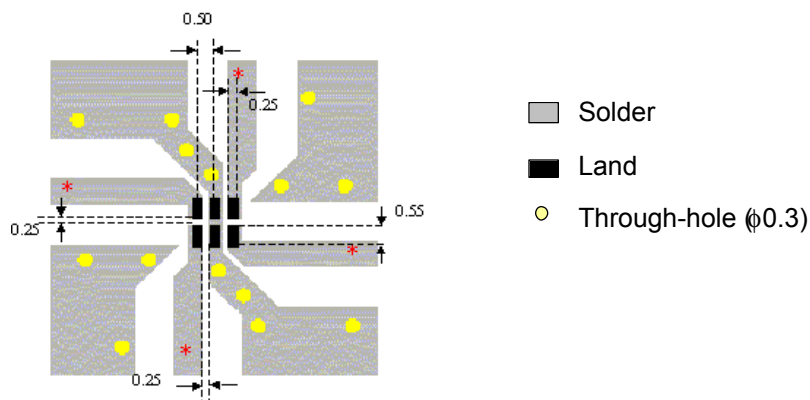
The diagram shows the layout of the six terminals on the component. Terminals 1, 2, and 3 are on the top edge, while terminals 4, 5, and 6 are on the bottom edge. The terminals are numbered 1 through 6 in red circles.

Mounting Considerations

Mount these devices with brown mark facing up.

Line width should provide 50 Ω impedance matching characteristics.

Units: mm



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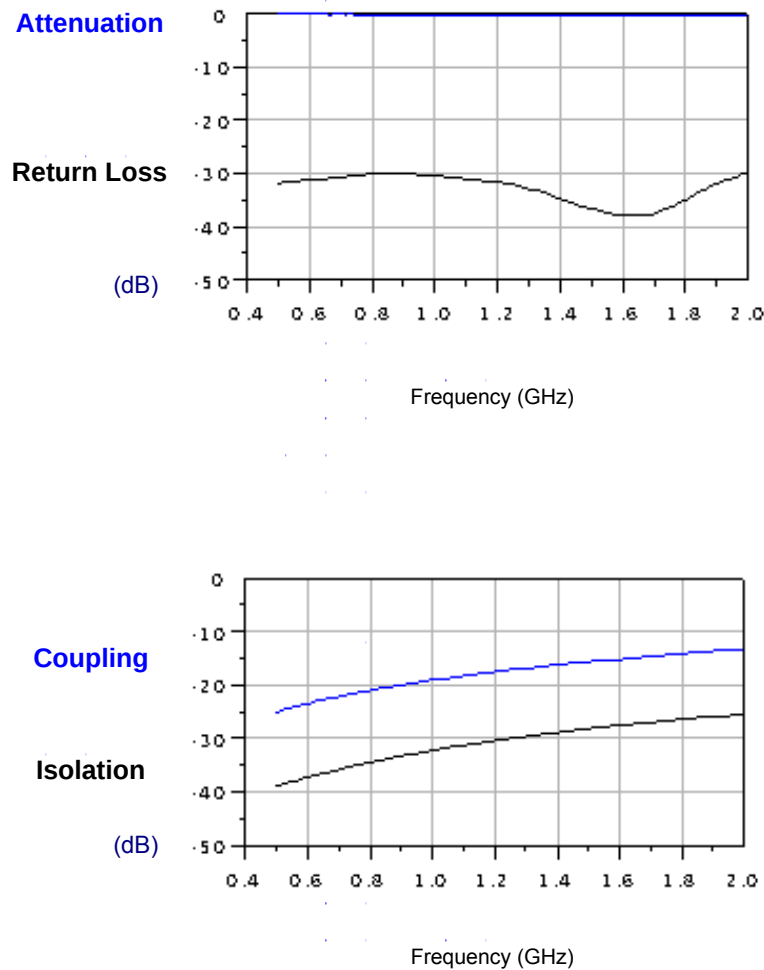
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Typical Electrical Characteristics (T=25°C)



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