

"High Frequency Ceramic Solutions"

848 MHz Directional Coupler

P/N 0848CP14A075

Detail Specification: 06/23/03

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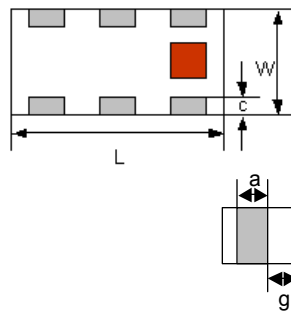
General Specifications

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 ± 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



Terminal Configuration

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

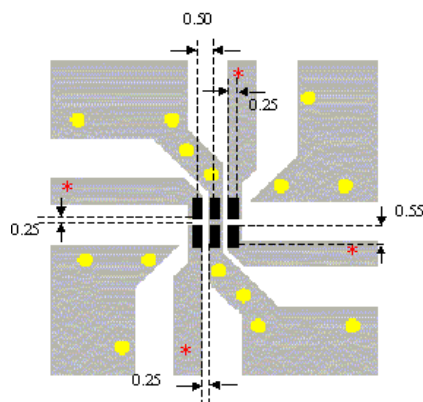
The terminal configuration diagram shows the layout of the six terminals. Terminal 1 is IN, Terminal 2 is GND, Terminal 3 is Coupled OUT, Terminal 4 is Termination, Terminal 5 is GND, and Terminal 6 is Main OUT. The diagram shows the physical arrangement of these terminals on the component.

Mounting Considerations

Mount these devices with brown mark facing up.

Line width should provide 50Ω impedance matching characteristics.

Units: mm



- Solder
- Land
- Through-hole (φ0.3)

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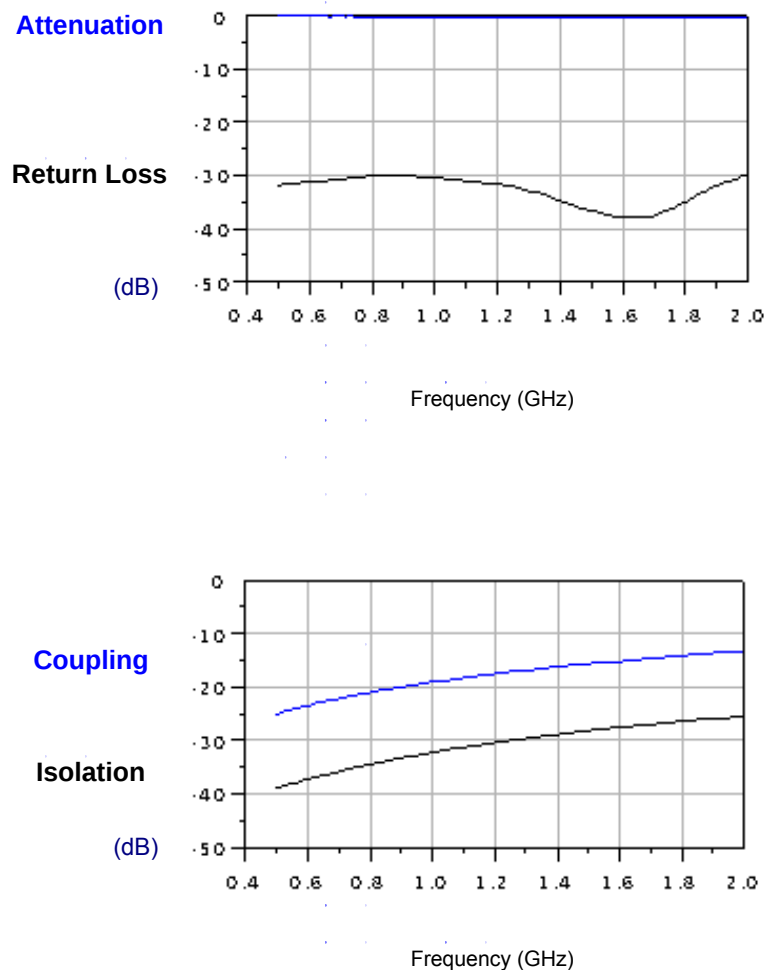
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Typical Electrical Characteristics (T=25°C)



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