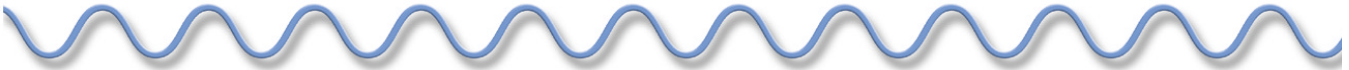


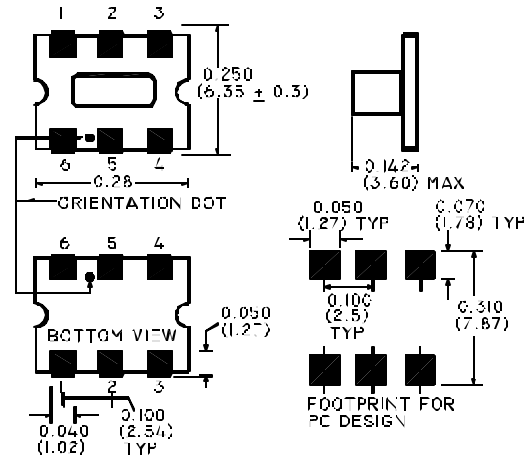
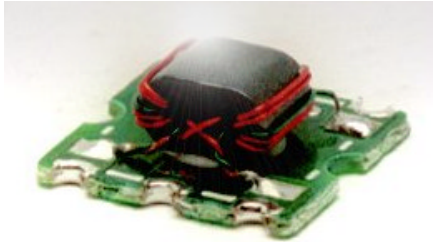
2-Way 0° Power Divider

400 – 820 MHz

MAPDCT0004



SM-55 Package



Features

- 2 Way
- Surface Mount
- 0 Degree
- Excellent Isolation

Description

M/A-COM's MAPDCT0004 is a 2 Way 0° Power Divider in a low cost, surface mount package. Ideally suited for high volume CATV & VSAT applications. No external components are required with this product. This part has been designed for very high isolation in the 400 to 820 MHz frequency range.

Electrical Specifications @ 25°C, Z₀ = 75 Ohms

Frequency Range 400 - 820 MHz	Test Conditions	Nominal	Units	Min.	Typ.	Max.
Insertion Loss (Above 3dB)	400 - 820 MHz	—	dB	—	0.6	1.25
Isolation	400 - 820 MHz	—	dB	30	40	—
Amplitude Unbalance	400 - 820 MHz	—	dB	0.8	0.5	—
Phase Unbalance	400 - 820 MHz	—	°	3°	0.5°	—
Input Return Loss	400 - 820 MHz	—	dB	17	23	—

Note: Specifications subject to change without notice.

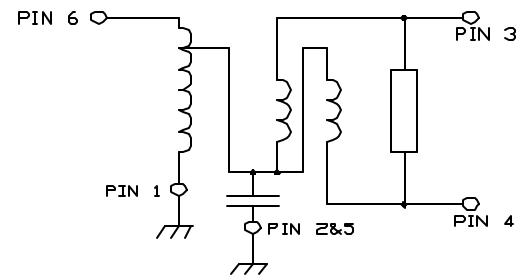
Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	1 Watt
Internal Load Dissipation	0.125 Watt
Storage Temperature	-40° C to +85°C
Operating Temperature	-40° C to +80°C

Operating Characteristics

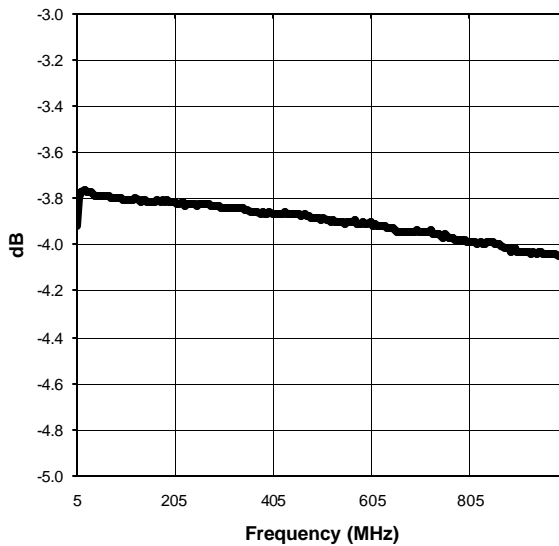
Function	Pin No.
Input	6
Port 1	3
Port 2	4
Ground	2, 3, 5

Schematic

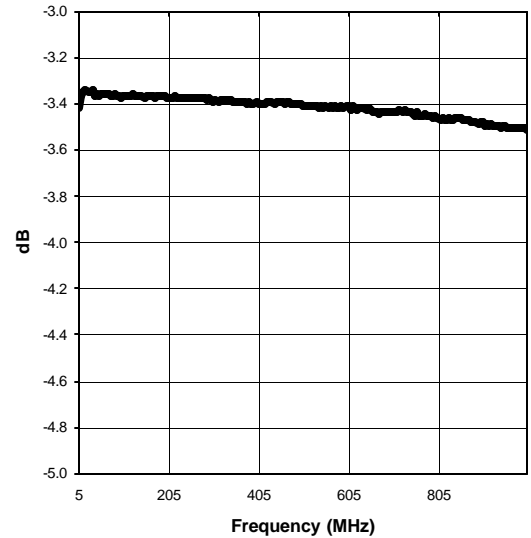


Typical Performance @ +25° C

Insertion Loss Port 1



Insertion Loss port 2



Specifications subject to change without notice.

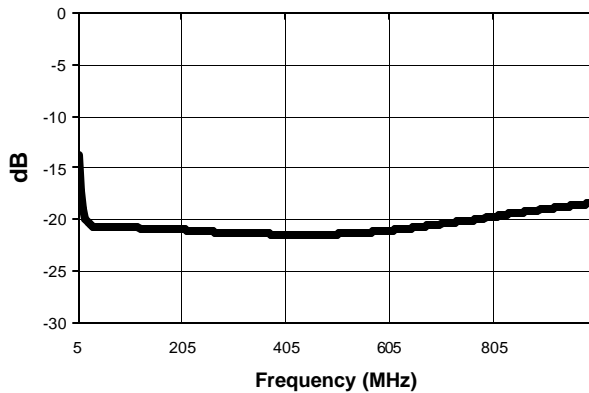
- North America: Tel. (800) 366-2266, Fax (800) 618-8883
- Asia/Pacific: Tel.+ 81-44-844-8296, Fax +81-44-844-8298
- Europe: Tel. +44 (1908) 574 200, Fax+44 (1908) 574 300

Visit www.macom.com for additional data sheets and product information.

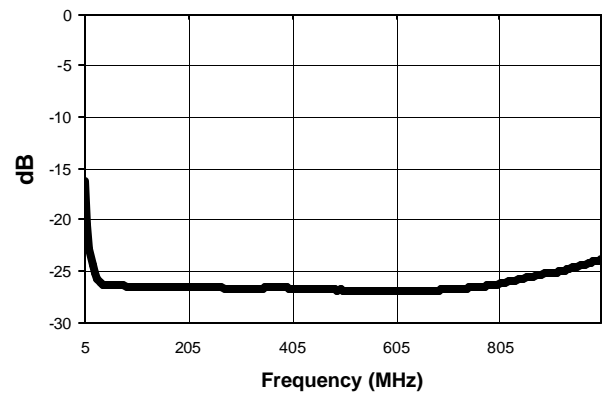


Rev A

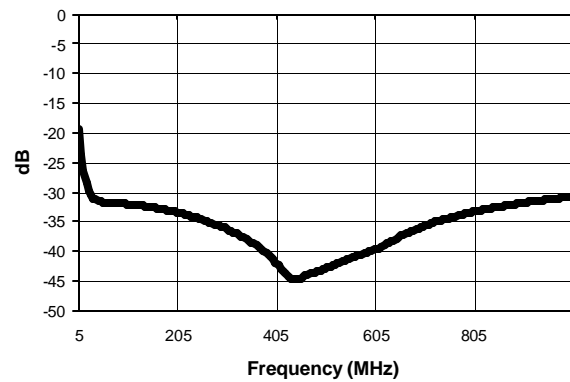
Output Return Loss 1



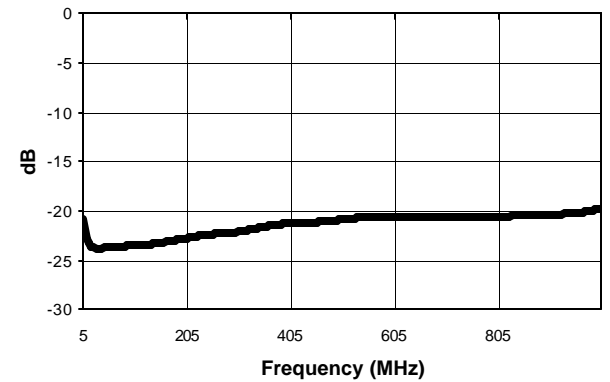
Output Return Loss 2



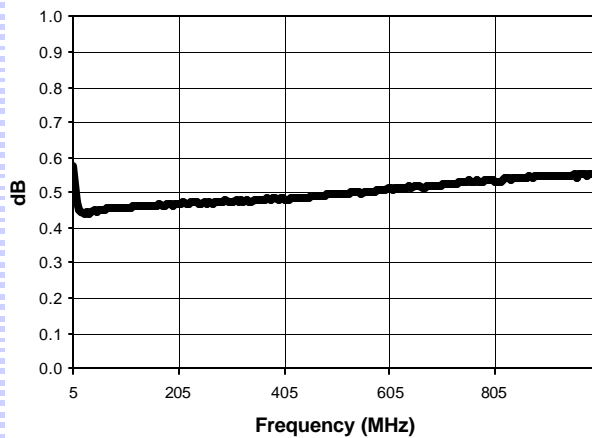
Isolation



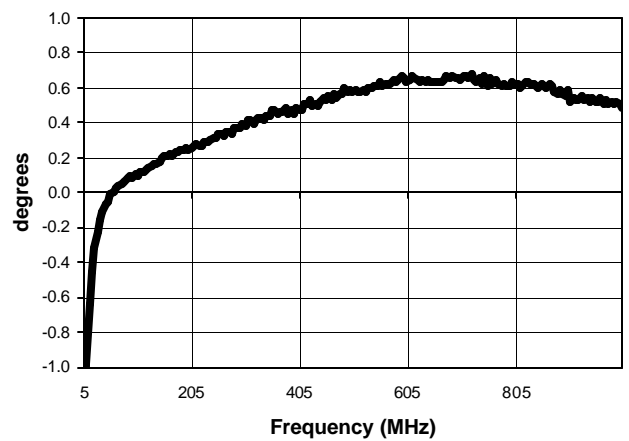
Input Return Loss



Amplitude balance



Phase Balance



Rev A

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