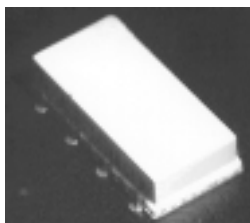


E-Series 4-Way 0° Power Divider 5 – 1000 MHz

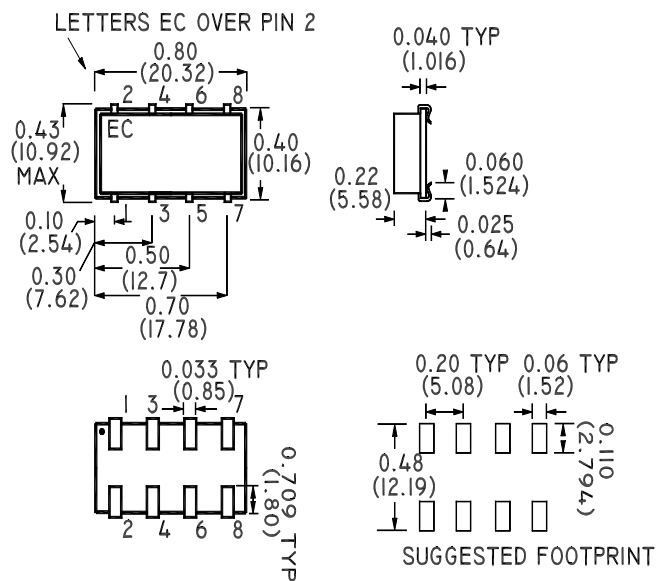


Features

- 4 Way
- 0 Degree
- Surface Mount Package
- Available on Tape and Reel



SM-46 Package



Description

M/A-COM's ESJ-4-2-75 is a Low Cost, Broadband, high performance Power Divider for use in high volume CATV applications. ESJ-4-2-75 is available in an SM-46 surface mount package and reflows using standard soldering reflow profiles.

Electrical Specifications @ +25°C

Parameter	Units	Minimum	Typical	Maximum
Frequency Range	5 - 1000	MHz	—	—
Insertion Loss	5 - 50 MHz	dB	—	1.0
	50 - 500 MHz	dB	—	1.3
	500 - 1000 MHz	dB	—	1.5
Isolation	5 - 50 MHz	dB	20	—
	50 - 500 MHz	dB	20	—
	500 - 1000 MHz	dB	20	—
Amplitude Unbalance	5 - 1000 MHz	dB	—	0.5
Phase Unbalance	5 - 50 MHz	°	—	1°
	50 - 500 MHz	°	—	3°
	500 - 1000 MHz	°	—	6°
Input Return Loss	5 - 1000 MHz	dB	18	21
Output Return Loss	5 - 1000 MHz	dB	16	19

Absolute Maximum Ratings

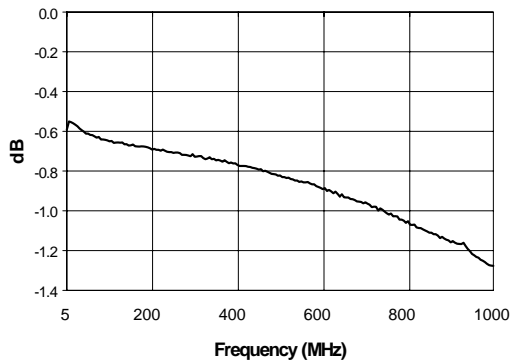
Parameter	Absolute Maximum
Maximum Power Rating	1 Watt
Internal Load Dissipation	0.125 Watt
Pin Temperature (10 Sec)	260°C
Storage Temperature	-55°C to +100°C
Operating Temperature	-20°C to +85°C

Functional Configuration

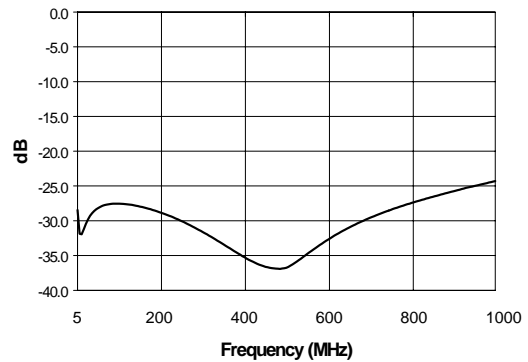
Function	Pin No.
Not Connected	—
External 75 Ohms	—
Ground	1,5,7
Case Ground	—
Input	3
Port 1	2
Port 2	4
Port 3	6
Port 4	8

Typical Performance @ +25°C

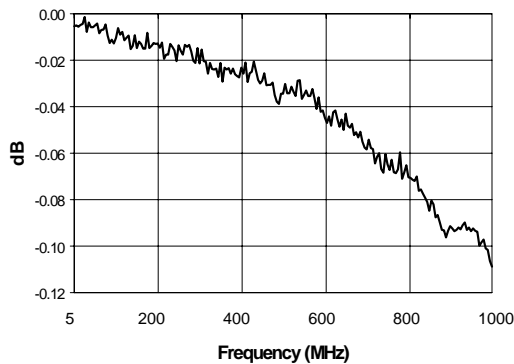
Insertion Loss



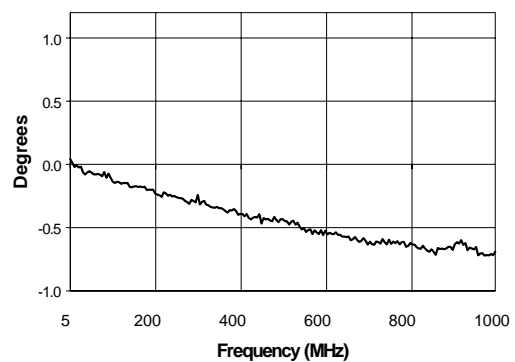
Isolation



Amplitude Unbalance



Phase Unbalance



V2.00 S 1218 B



M/A-COM Division of AMP Incorporated ■ North America: Tel. (800) 366-2266, Fax (800) 618-8883 ■ Asia/Pacific: Tel.+85 2 2111 8088, Fax +85 2 2111 8087 ■ Europe: Tel. +44 (1344) 869 595, Fax+44 (1344) 300 020

www.macom.com

AMP and Connecting at a Higher Level are trademarks. Specifications subject to change without notice.

