M/A-COM

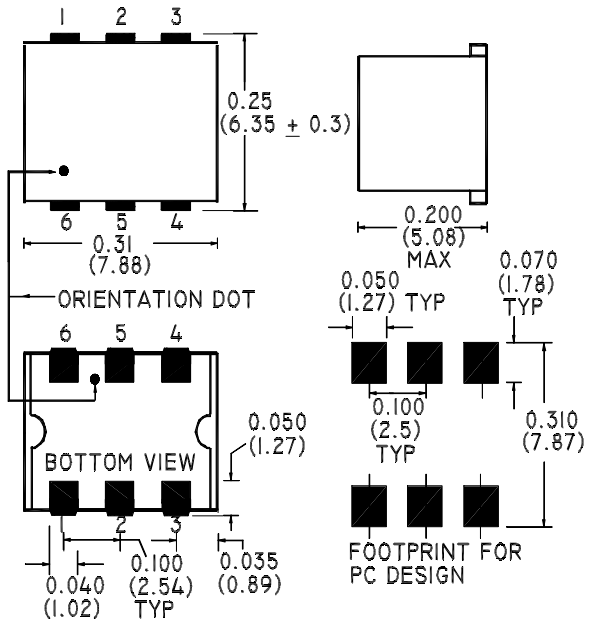
E-Series 2-Way 0° Power Divider
5 - 500 MHz

Features

- 2 Way
- 0 Degree
- Surface Mount



SM-1 Package



Description

M/A-COM's ESSM-2-16 is a 2 Way 0° Power Divider in a low cost, surface mount package. Ideally suited for high volume cellular and wireless applications.

Electrical Specifications @25°C

Parameter		Units	Typical	Minimum	Maximum
Frequency Range	5 - 500	MHz	—	—	—
Insertion Loss	5 - 50 MHz	dB	0.25	—	0.5
	50 - 250 MHz	dB	0.3	—	0.6
	250 - 500 MHz	dB	0.5	—	1.0
Isolation	5 - 50 MHz	dB	50	25	—
	50 - 250 MHz	dB	33	24	—
	250 - 500 MHz	dB	30	23	—
Amplitude Unbalance	5 - 50 MHz	dB	—	—	0.15
	50 - 250 MHz	dB	—	—	0.3
	250 - 500 MHz	dB	—	—	0.6
Phase Unbalance	5 - 50 MHz	°	—	—	0.5°
	50 - 250 MHz	°	—	—	1.0°
	250 - 500 MHz	°	—	—	1.5°

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

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Absolute Maximum Ratings

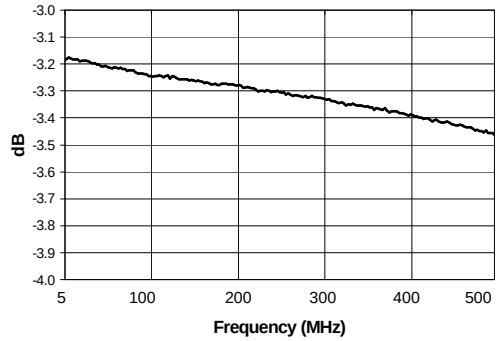
Parameter	Absolute Maximum
Maximum Power Rating	1 Watt
Internal Load Dissipation	0.125 Watt
Pin Temp (10 Sec)	260°C
Storage Temperature	-55°C to 100°C

Functional Configuration

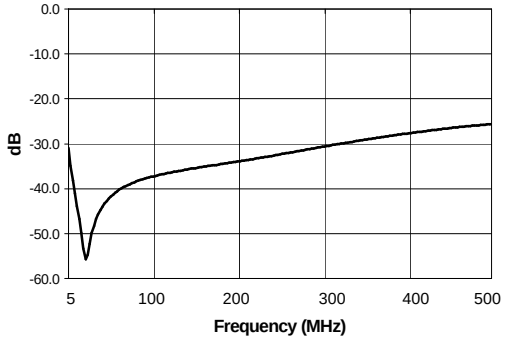
Function	Pin No.
Not Connected	2,5
External 50 Ohms	—
Ground	1
Case Ground	—
Input	6
Port 1	4
Port 2	3

Typical Performance @ +25°C

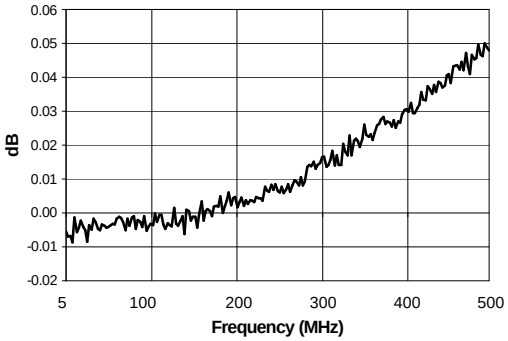
Insertion Loss



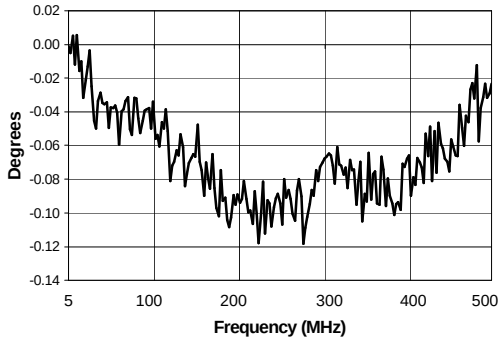
Isolation



Amplitude Unbalance



Phase Unbalance



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