



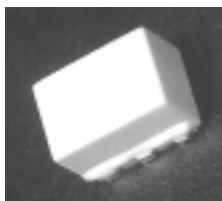
M/A-COM

# E-Series 2-Way 0° Power Divider 5 - 900 MHz

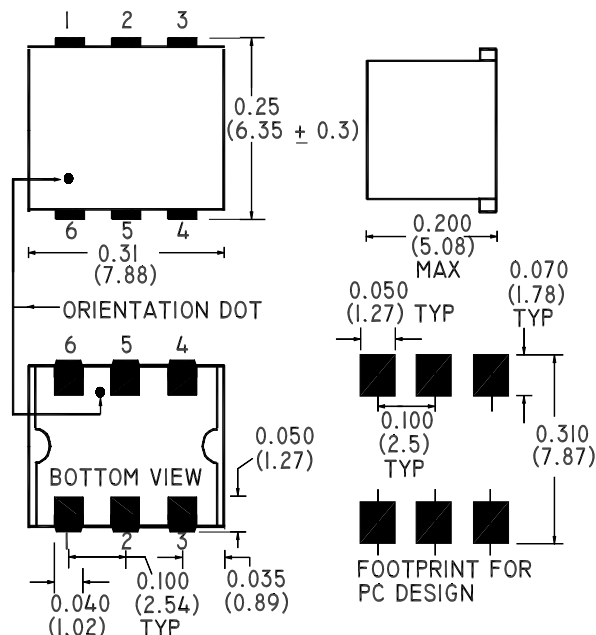


## Features

- 2 Way
- 0 Degree
- Surface Mount



## SM-1 Package



## Description

M/A-COM's ESSM-2-6 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 - 900	MHz	—	—
Insertion Loss	5 - 50 MHz	dB	0.2	0.4
	50 - 450 MHz	dB	0.4	0.7
	450 - 900 MHz	dB	0.7	1.2
Isolation	5 - 50 MHz	dB	28	—
	5 - 450 MHz	dB	28	—
	450 - 900 MHz	dB	22	—
Amplitude Unbalance	5 - 50 MHz	dB	—	0.2
	50 - 450 MHz	dB	—	0.3
	450 - 900 MHz	dB	—	0.5
Phase Unbalance	5 - 50 MHz	°	—	2.0°
	50 - 450 MHz	°	—	3.0°
	450 - 900 MHz	°	—	5.0°
Input & Output Return Loss	5 - 900 MHz	dB	25	16

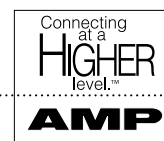
V2.00 S 0862 D



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

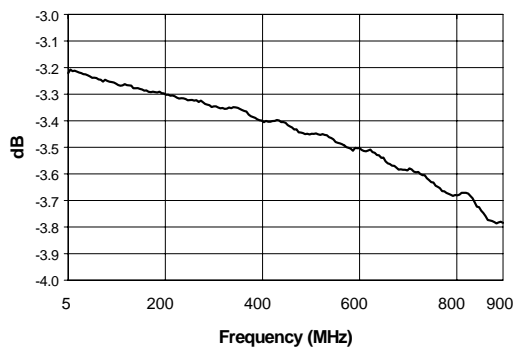
Parameter	Absolute Maximum
Maximum Power Rating	1 Watt
Internal Load Dissipation	0.125 Watt
Pin Temp (10 Sec)	260°C
Storage Temperature	-55°C to 100°C

### Functional Configuration

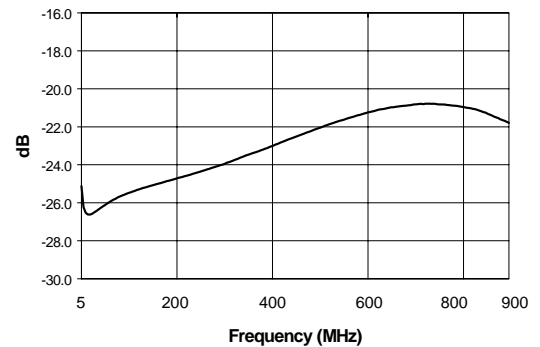
Function	Pin No.
Not Connected	2,5
External 50 Ohms	—
Ground	1
Case Ground	—
Input	6
Port 1	4
Port 2	3

### Typical Performance @ +25°C

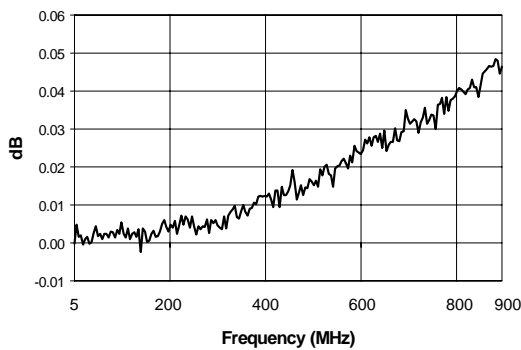
Insertion Loss



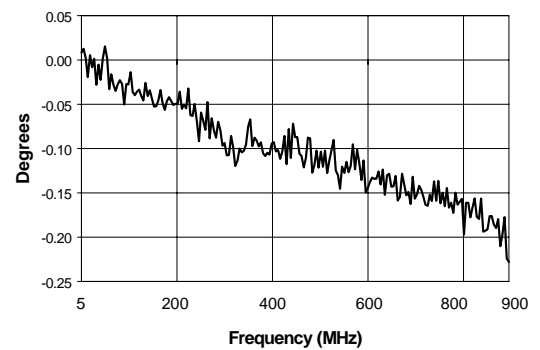
Isolation



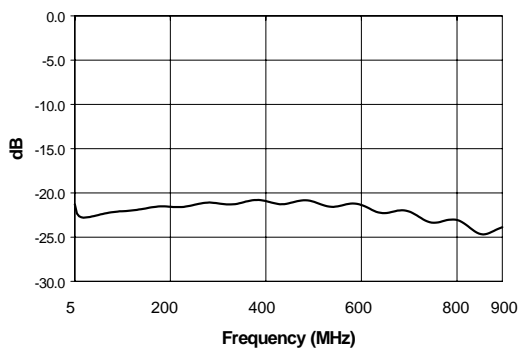
Amplitude Unbalance



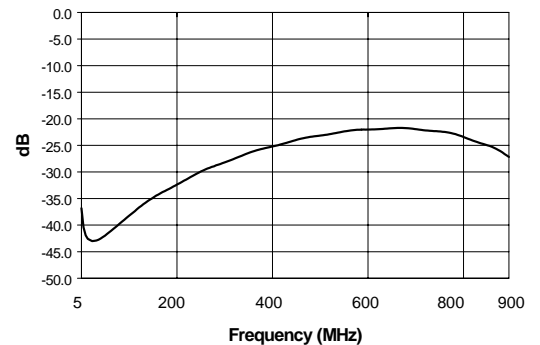
Phase Unbalance



Output Return Loss



Input Return Loss



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