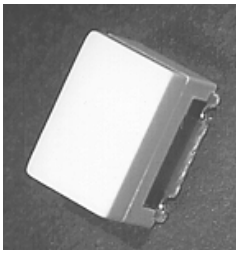
AMP M/A-COM

E-Series 2-Way 90° Power Divider 820 - 980 MHz

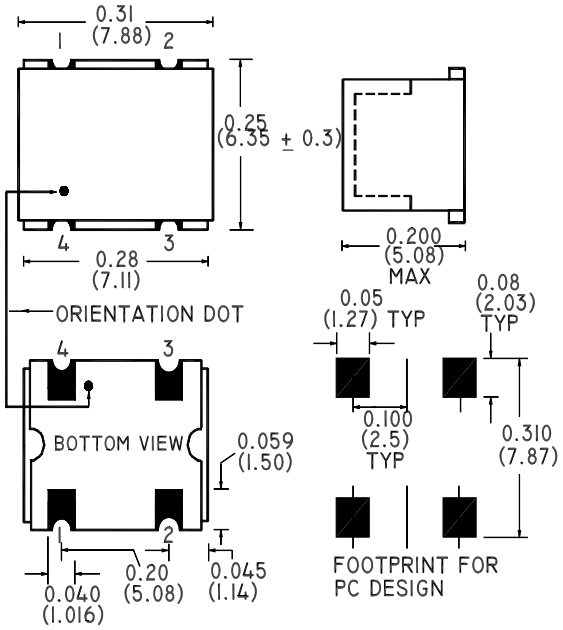
Features

- 2 Way
- 90 Degree
- Surface Mount



SM-88 Package

Note: Non Hermetic Package



Description

M/A-COM's ELPD-290 is a 2 Way 90° Power Divider in a low cost, surface mount package. Ideally suited for high volume cellular, wireless and CATV applications.

Electrical Specifications @25°C

Parameter		Units	Typical	Minimum	Maximum
Frequency Range	820 - 980	MHz	—	—	—
Insertion Loss	820 - 980 MHz	dB	0.7	—	1.2
Isolation	820 - 980 MHz	dB	20	18	—
Amplitude Unbalance	820 - 980 MHz	dB	—	—	1.2
Phase Unbalance	820 - 980 MHz	°	—	—	7.0°
Return Loss	820 - 980 MHz	dB	20	18	—

Please Note that the photograph above indicates package shape only, unit may be wired differently.

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Specifications subject to change without notice.

Absolute Maximum Ratings

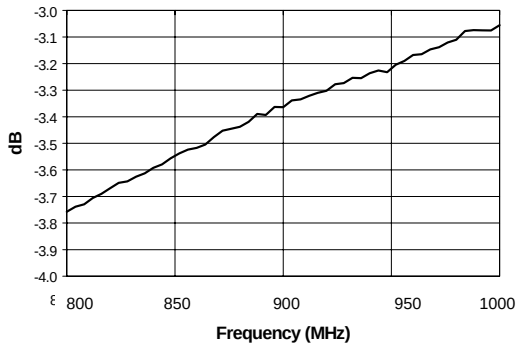
Parameter	Absolute Maximum
Maximum Power Rating	1 Watt
Internal Load Dissipation	0.125 Watt
Pin Temp (10 Sec)	260°C
Storage Temperature	-55°C to 100°C

Functional Configuration

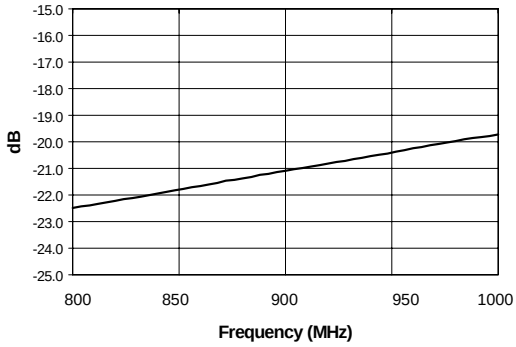
Function	Pin No.
Not Connected	—
External 50 Ohms	3
Ground	—
Case Ground	—
Input	1
Port 1	2
Port 2	4

Typical Performance @ +25°C

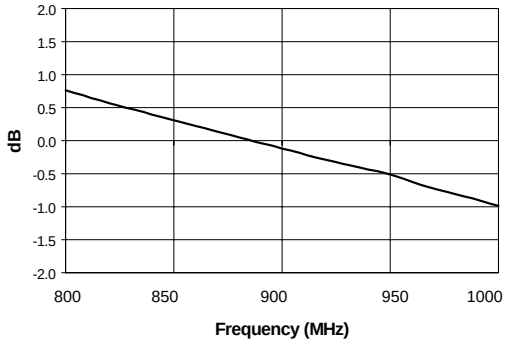
Insertion Loss



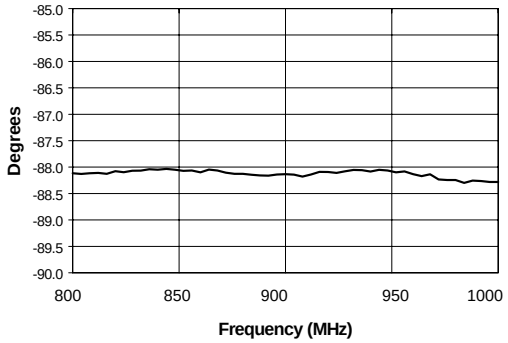
Isolation



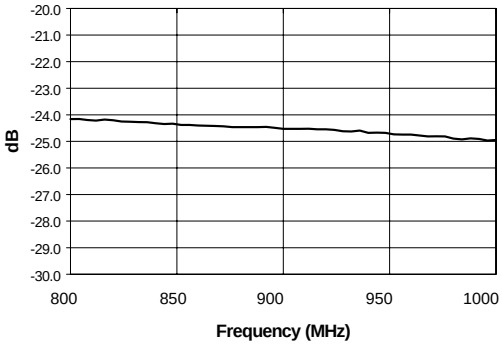
Amplitude Unbalance



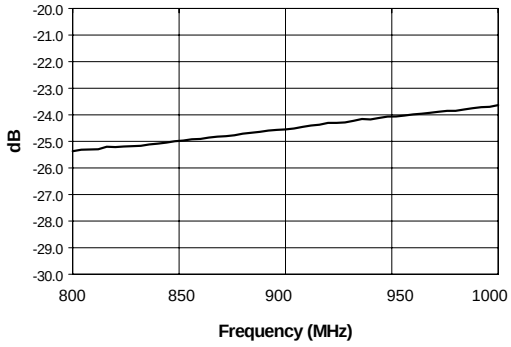
Phase Unbalance



Output Return Loss



Input Return Loss



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