

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



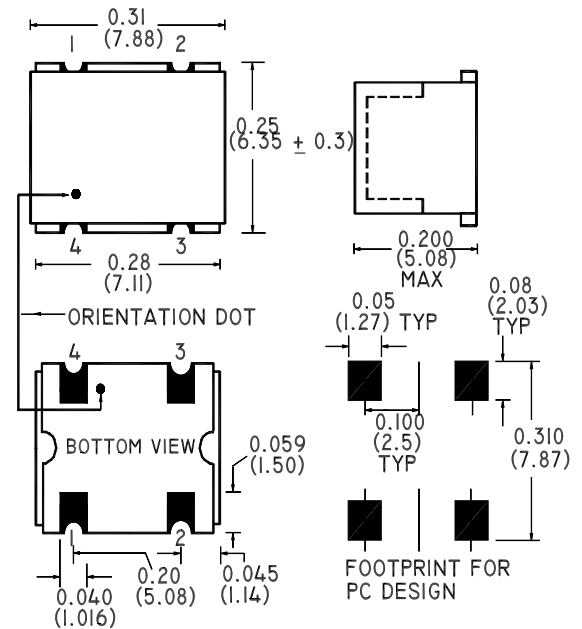
**Features**

- 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.

**Absolute Maximum Ratings**

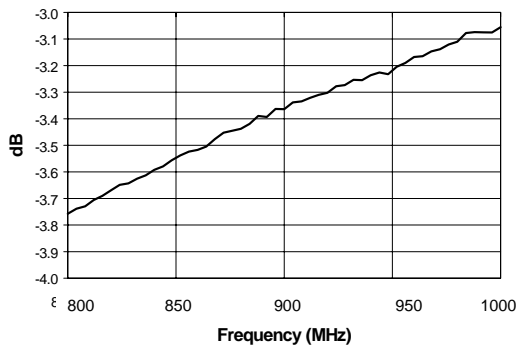
Parameter	Absolute Maximum
Maximum Power Rating	1 Watt
Internal Load Dissipation	0.125 Watt
Pin Temp (10 Sec)	260°C
Storage Temperature	-55°C to 100°C

**Functional Configuration**

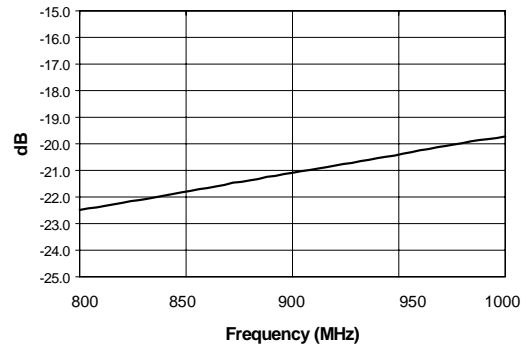
Function	Pin No.
Not Connected	—
External 50 Ohms	3
Ground	—
Case Ground	—
Input	1
Port 1	2
Port 2	4

**Typical Performance @ +25°C**

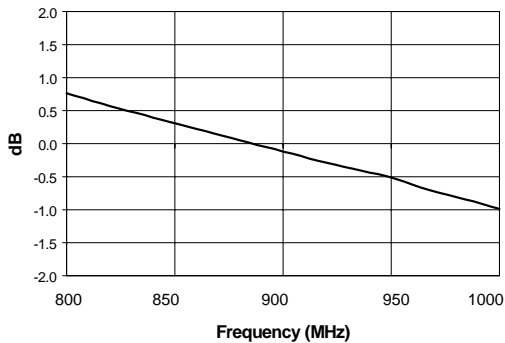
**Insertion Loss**



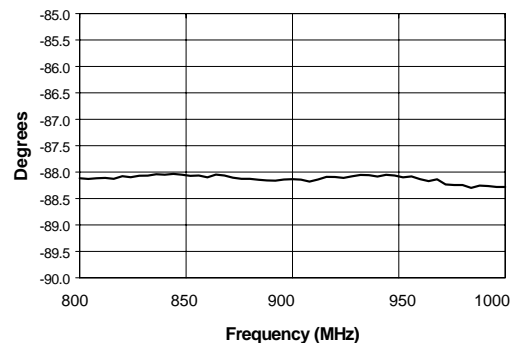
**Isolation**



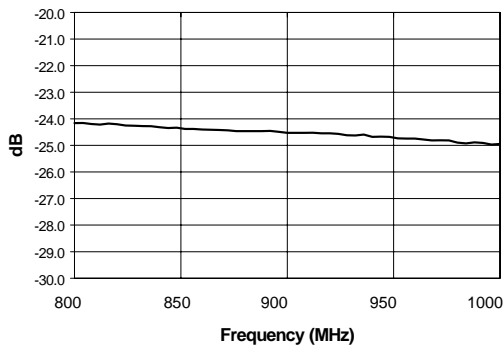
**Amplitude Unbalance**



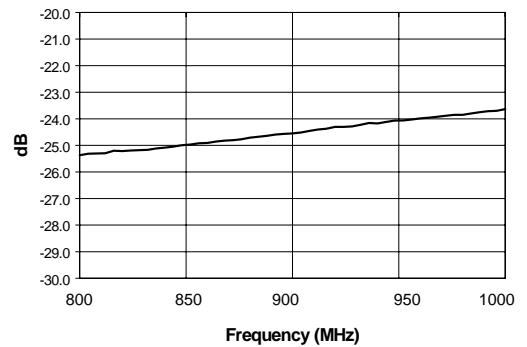
**Phase Unbalance**



**Output Return Loss**



**Input Return Loss**



V2.00 S 1358 A



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