

**E-Series 2-Way 0° Power Divider**  
10 – 1000 MHz

**ESML-2-4**  
**V4**

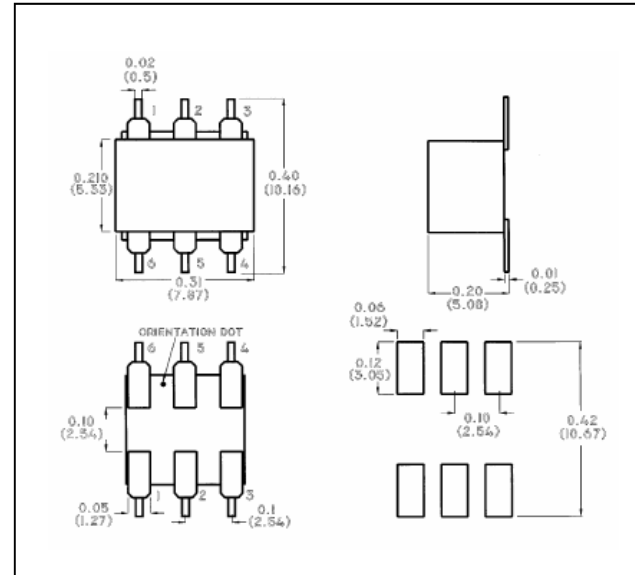
**Features**

- 2-Way
- 0°
- Surface Mount
- Tape and reel packaging available

**Description**

M/A-COM's ESML-2-4 is a 2 Way 0° Power Divider in a low cost, surface mount package. Ideally suited for high volume cellular and wireless applications. Parts are packaged in tape & reel.

**SM - 24 Package**



**Electrical Specifications:  $T_A = 25^\circ\text{C}$ ,  $Z_0 = 50\Omega$ <sup>1</sup>**

Parameter	Test Conditions	Frequency	Units	Min	Typ	Max
RF Frequency	—	10 - 1000	MHz	—	—	—
Insertion Loss	$F_L - f_U$	10 - 100	dB	—	0.3	0.5
		100 - 500	dB	—	0.5	1.0
		500 - 1000	dB	—	1.0	1.8
Isolation	$F_L - f_U$	10 - 100	dB	20	25	—
		100 - 500	dB	14	17	—
		500 - 1000	dB	12	15	—
Amplitude Unbalance	$F_L - f_U$	10 - 100	dB	—	—	0.15
		100 - 500	dB	—	—	0.3
		500 - 1000	dB	—	—	0.7
Phase Unbalance	$F_L - f_U$	10 - 100	Degrees	—	—	1
		100 - 500	Degrees	—	—	3
		500 - 1000	Degrees	—	—	5

**Ordering Information**

Part Number	Package
ESML-2-4TR	Tape and Reel (500 piece Reel)

<sup>1</sup>

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**Absolute Maximum Ratings <sup>1</sup>**

Parameter	Absolute Maximum
Maximum Power Rating	1 Watt
Internal Load Dissipation	0.125 Watt
Pin Temperature (10 Sec)	260°C
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +125°C

1. Operation of this device above any one of these parameters may cause permanent damage.

**Pin Configuration**

Pin No.	Function
1	Ground
2	Ground
3	Port 2
4	Port 1
5	Not Connected
6	Input