

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

ESML-2-1
V4

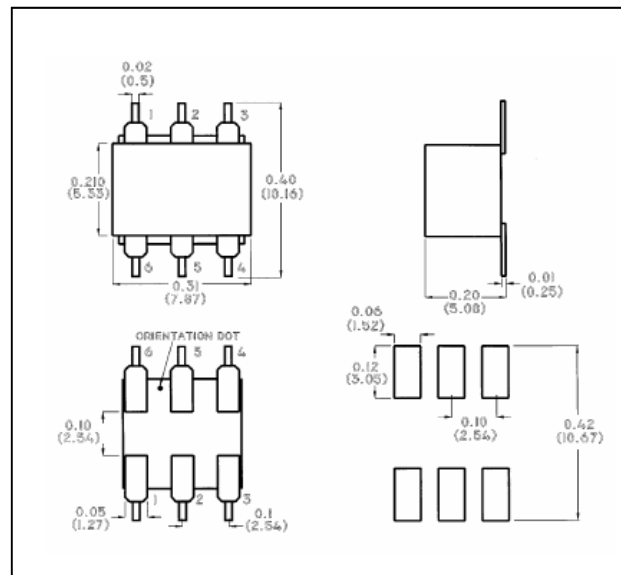
Features

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

Description

M/A-COM's ESML-2-1 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: $T_A = 25^\circ\text{C}$, $Z_0 = 50\Omega$ ¹

Parameter	Test Conditions	Frequency	Units	Min	Typ	Max
RF Frequency	—	5 - 500	MHz	—	—	—
Insertion Loss	$F_L - f_U$	5 - 500	dB	—	0.25	0.5
		50 - 250	dB	—	0.3	0.5
		250 - 500	dB	—	0.5	1.0
Isolation	$F_L - f_U$	5 - 500	dB	25	50	—
		50 - 250	dB	24	33	—
		250 - 500	dB	23	30	—
Amplitude Unbalance	$F_L - f_U$	5 - 500	dB	—	—	0.15
		50 - 250	dB	—	—	0.3
		250 - 500	dB	—	—	0.6
Phase Unbalance	$F_L - f_U$	5 - 500	Degrees	—	—	1
		50 - 250	Degrees	—	—	2
		250 - 500	Degrees	—	—	5

Ordering Information

Part Number	Package
ESML-2-1TR	Tape and Reel (500 piece Reel)

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Visit www.macom.com for additional data sheets and product information.

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Absolute Maximum Ratings ¹

Parameter	Absolute Maximum
Maximum Power Rating	1 Watt
Internal Load Dissipation	0.125 Watt
Pin Temperature (10 Sec)	250°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	Not Connected
3	Port 2
4	Port 1
5	Not Connected
6	Input