RoHS Compliant

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

MAPD-007249-ESML21
V1P

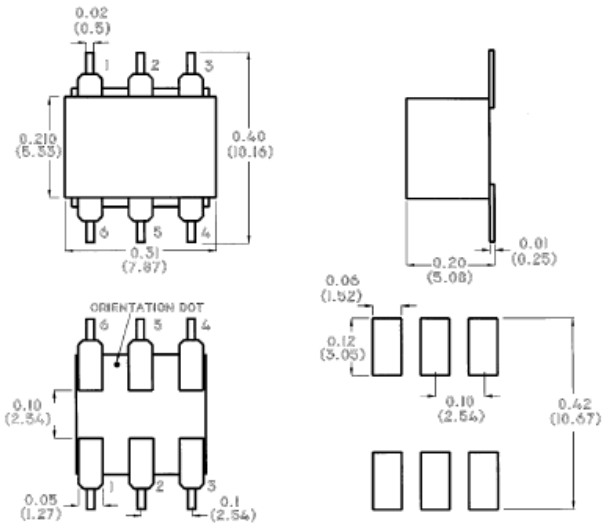
Features

- Surface mount
- Wide frequency range
- 2-Way—0°
- Lead Free
- RoHS* Compliant and is 260^{0}C reflow compatible.
- Available on Tape and Reel.

Description

M/A-COM's MAPD-007249-ESML21 is a RoHS compliant 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



Pin Configuration

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

Ordering Information

Part Number	Package
MAPD-007249-ESML21	500 piece reel

Note: Reference Application Note M513 for reel size information.

Absolute Maximum Ratings [1,2]

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. Exceeding any one or combination of these limits may cause permanent damage to this device.
2. M/A-COM does not recommend sustained operation near these survivability limits.

This PRELIMINARY Data Sheet contains information regarding a product M/A-COM has under development. Performance is based on measured results and target specifications. Commitment to produce in volume is not guaranteed.

* Restrictions on Hazardous Substances, European Union Directive 2002/95/EC.

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

Electrical Specifications: T_A = 25°C, Z_0 = 50Ω [1]

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