



MAPD-007249-ESML21

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

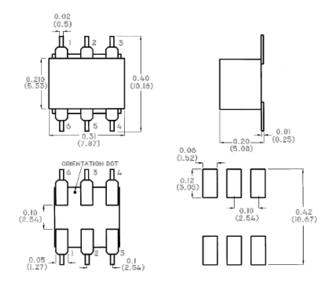
Features

- Surface mount
- Wide frequency range
- 2-Way-0°
- Lead Free
- RoHS* Compliant and is 260°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.

ADVANCED: Data Sheets contain information regarding a product M/A-COM Technology Solutions is considering for development. Performance is based on target specifications, simulated results, and/or prototype measurements. Commitment to develop is not guaranteed. **PRELIMINARY:** Data Sheets contain information regarding a product M/A-COM Technology

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Electrical Specifications: $T_A = 25$ °C, $Z_0 = 50\Omega$ ¹

Parameter	Test Conditions	Frequency	Units	Min	Тур	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