RoHS Compliant

E-Series 2-Way 0° Power Divider

5 – 900 MHz

Features

- Surface mount
- Wide frequency range
- 2-Way—0°
- RoHS* Compliant and is 260°C reflow compatible.
- Available on Tape and Reel, reel quantity 900

Description

M/A-COM's MAPD-008072-ESSM26 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.



MAPD-008072-ESSM26 V2P

SM-1 Package



Pin Configuration

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

Schematic



Ordering Information

Part Number	Package	
MAPD-008072-ESSM26	900 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	re -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.

 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.

1

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- North America Tel: 800.366.2266 Europe Tel: +353.21.244.6400
- India Tel: +91.80.4155721 China Tel: +86.21.2407.1588
- Visit www.macomtech.com for additional data sheets and product information.

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Electrical Specifications: $T_A = 25^{\circ}C$, $Z_0 = 50\Omega^{-1}$

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
RF Frequency	_	5 - 900	MHz	_	_	_
Insertion Loss	FL-fu	5 - 50 504 50 450 - 900	dB dB dB		0.2 0.4 0.7	0.4 0.7 1.2
Isolation	F _L —f _U	5 - 50 50 -4 50 450 - 900	dB dB dB	20 20 15	28 28 22	
Amplitude Unbalance	F _L —f _U	5 - 50 50 -4 50 450 - 900	dB dB dB			0.2 0.3 0.5
Phase Unbalance	F _L —f _U	5 - 50 50 -4 50 450 - 900	Degrees Degrees Degrees			2 3 5
Input & Output Return Loss	F _L —f _U	5 - 900	dB	16.0	25.0	

Typical Performance @ +25° C

Insertion Loss



Isolation



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Typical Performance @ +25° C

Amplitude Unbalance



Phase Unbalance



Output Return Loss



Input Return Loss



3

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