

RoHS Compliant



MAPD-008072-ESSM26

E-Series 2-Way 0° Power Divider 5 – 900 MHz

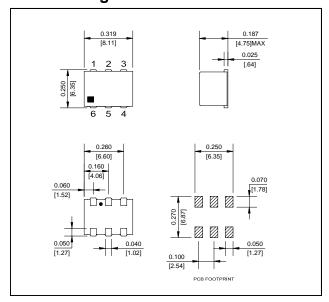
Features

- 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.

SM-1 Package



Pin Configuration

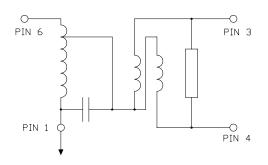
Pin No.	Function			
1	Ground			
2	Not Connected			
3	Port 2			
4	Port 1			
5	Not Connected			
6	Input			

Ordering Information

Part Number	Package		
MAPD-008072-ESSM26	900 piece reel		

Note: Reference Application Note M513 for reel size information.

Schematic



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		

- 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.

- North America Tel: 800.366.2266 / Fax: 978.366.2266
- Europe Tel: 44.1908.574.200 / Fax: 44.1908.574.300
- Asia/Pacific Tel: 81.44.844.8296 / Fax: 81.44.844.8298

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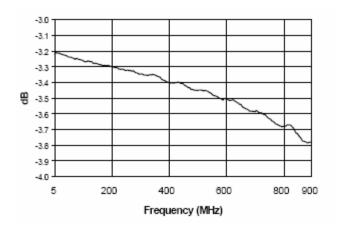
MAPD-008072-ESSM26 V2P

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

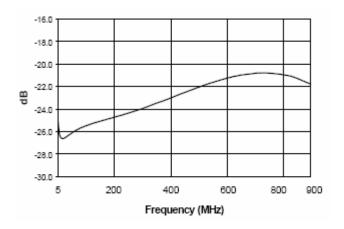
Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
RF Frequency	_	5 - 900	MHz	_	_	_
Insertion Loss	F _L —f _U	5 - 50 50 -4 50 450 - 900	dB dB dB	_ _ _	0.2 0.4 0.7	0.4 0.7 1.2
Isolation	F _L —f _U	5 - 50 50 -4 50 450 - 900	dB dB dB	20 20 15	28 28 22	_ _ _
Amplitude Unbalance	F _L —f _U	5 - 50 50 -4 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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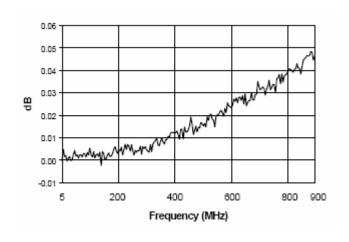


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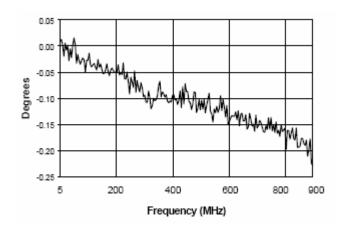
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Typical Performance @ +25° C

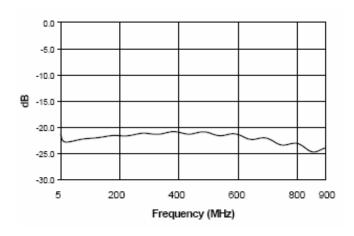
Amplitude Unbalance



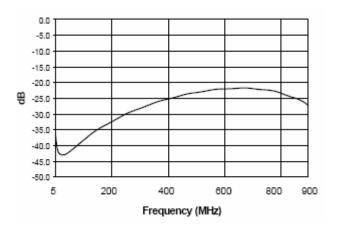
Phase Unbalance



Output Return Loss



Input Return Loss



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