RoHS Compliant

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

MAPD-008072-ESSM26
V2P

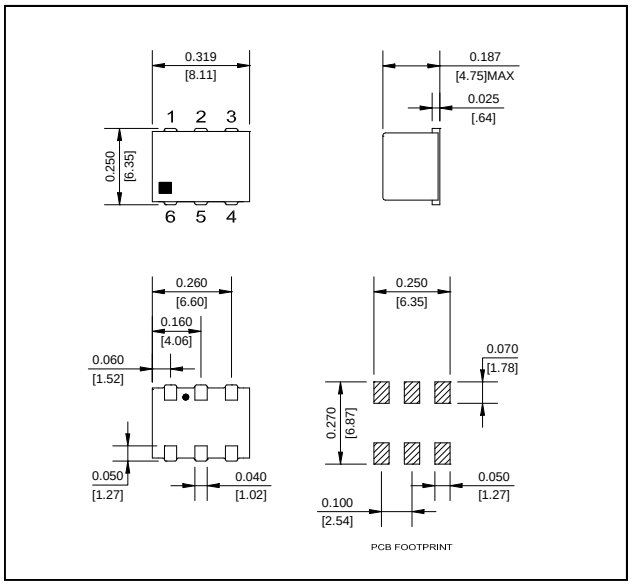
Features

- Surface mount
- Wide frequency range
- 2-Way—0°
- RoHS* Compliant and is 260^{0}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.

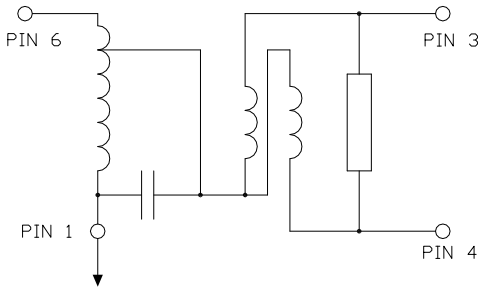
SM-1 Package



Pin Configuration

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

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	-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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RoHS Compliant

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

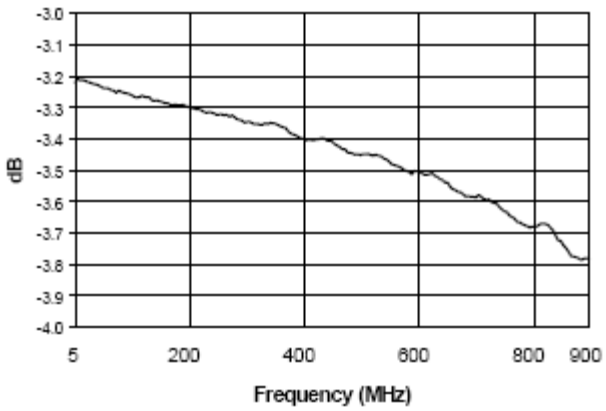
MAPD-008072-ESSM26
V2P

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

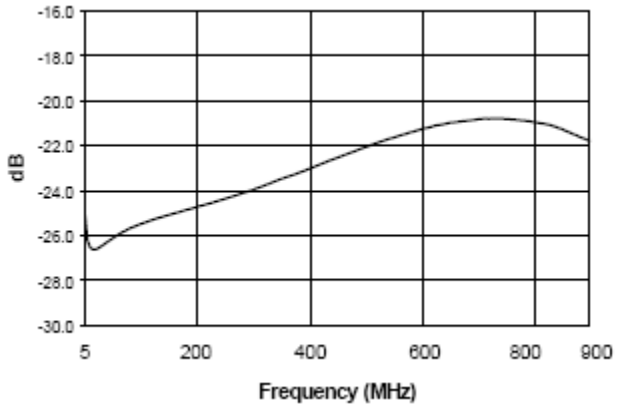
Parameter	Test Conditions	Frequency	Units	Min	Typ	Max
RF Frequency	—	5 - 900	MHz	—	—	—
Insertion Loss	F_L—f_U	5 - 50 50 –4 50 450 - 900	dB dB dB	— — —	0.2 0.4 0.7	0.4 0.7 1.2
Isolation	F_L—f_U	5 - 50 50 –4 50 450 - 900	dB dB dB	20 20 15	28 28 22	— — —
Amplitude Unbalance	F_L—f_U	5 - 50 50 –4 50 450 - 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



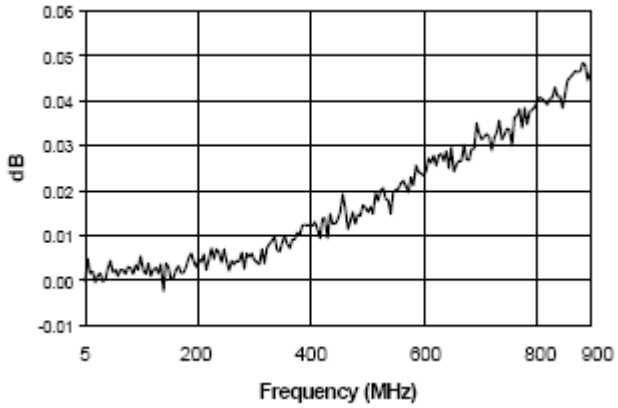
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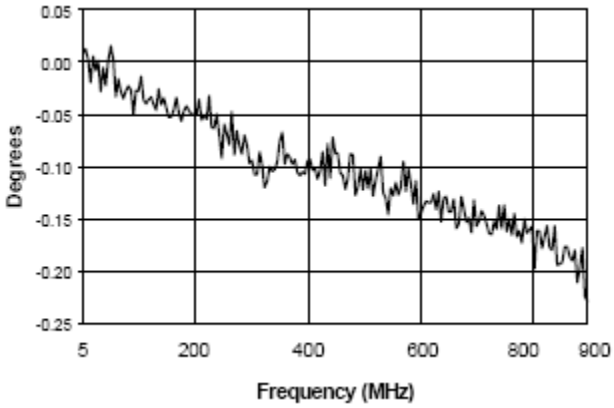
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Typical Performance @ +25° C

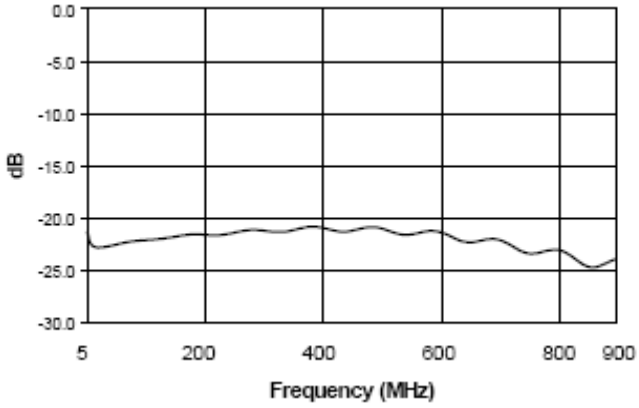
Amplitude Unbalance



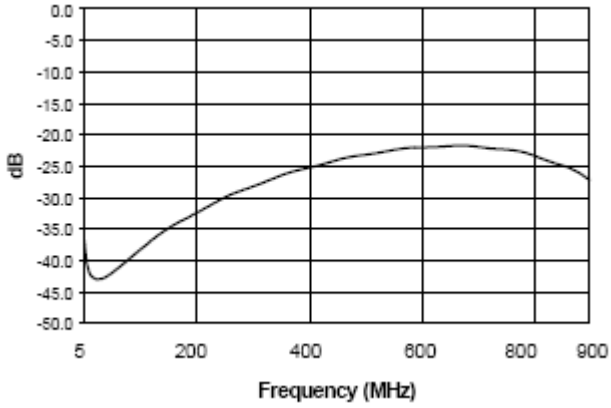
Phase Unbalance



Output Return Loss



Input Return Loss



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