

RoHS Compliant



MAPD-007249-ESML21

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

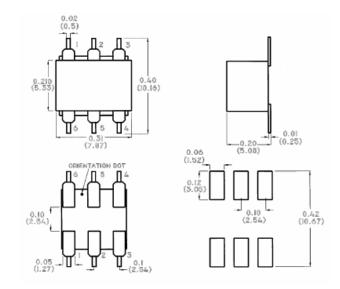
Features

- 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

information.

| 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.

• 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

M/A-COM Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice. M/A-COM makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does M/A-COM assume any liability



RoHS Compliant



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

MAPD-007249-ESML21

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

| Parameter | Test Conditions | Frequency | Units | Min | Тур | Max |
|---------------------|--------------------------------|---------------------------------|-------------------------------|----------------|--------------------|--------------------|
| RF Frequency | _ | 5 - 500 | MHz | _ | _ | _ |
| Insertion Loss | F∟—fu | 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 |

[•] Europe Tel: 44.1908.574.200 / Fax: 44.1908.574.300

Asia/Pacific Tel: 81.44.844.8296 / Fax: 81.44.844.8298