



MAPD-007246-ES4700

E-Series 4-Way 0° Power Divider 2 – 1000 MHz

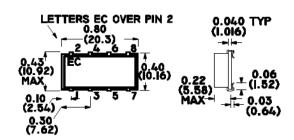
Features

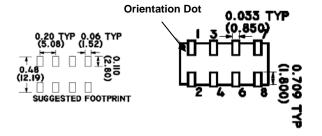
- Surface mount
- Wide frequency range
- 4-Way-0°
- Lead Free
- RoHS* Compliant and is 260°C reflow compatible.
- Available on Tape and Reel, reel quantity 2000

Description

M/A-COM's MAPD-007246-ES4700 is a RoHS compliant 4 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-46 package





Pin Configuration

Pin No.	Function				
1	Ground				
2	Port 1				
3	Input				
4	Port 2				
5	Ground				
6	Port 3				
7	Ground				
8	Port 4				

Absolute Maximum Ratings ^{1,2}

Parameter	Absolute Maximum		
Maximum Power Rating	1 Watt		
Internal Load Dissipation	0.125 Watt		
Pin Temperature (10 Sec)	260°C		
Operating Temperature	-0°C to +70°C		
Operating Temperature ²	erature ² -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.

Ordering Information

Commitment to produce in volume is not guaranteed.

Part Number	Package		
MAPD-007246-ES4700	300 piece reel		

Note: Reference Application Note M513 for reel size information.

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

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
RF Frequency	_	2 - 1000	MHz	_	_	_
Insertion Loss	F _L —f _U	2 - 20 20 –500 500 - 1000	dB dB dB	_ _ _	0.5 0.7 0.8	0.8 1.1 1.5
Isolation	F _L —f _U	2 - 20 20 –500 500 - 1000	dB dB dB	20 20 15	35 35 23	_ _ _
Input & Output Return Loss	F _L —f _U	2 - 1000	dB	15.0	_	_
Amplitude Unbalance	F _L —f _U	2 - 20 20 –500 500 - 1000	dB dB dB	_ _ _	_ _ _	0.1 0.2 0.5
Phase Unbalance	F _L —f _U	2 - 20 20 –500 500 - 1000	Degrees Degrees Degrees	_ _ _		1° 5° 10°

typical. Mechanical outline has been fixed. Engineering samples and/or test data may be available. Commitment to produce in volume is not guaranteed.