

E-Series 2-Way 0° Power Divider 5-1000 MHz

**MACPES0026
V2**

Features

Features

- 2 Way
- 0 Degree
- Surface Mount
- Available on Tape and Reel. Reel quantity 900

Description

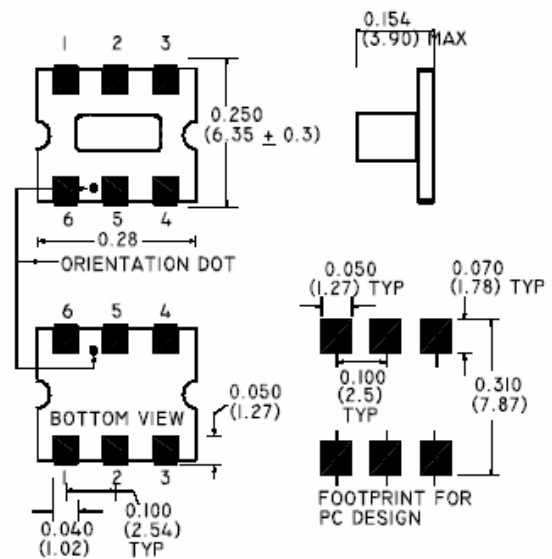
M/A-COM's MACPES0026 is a 2 Way 0° Power Divider in a low cost, surface mount package. Ideally suited for high volume cellular and wireless and CATV applications. An external 160 Ohm chip resistor is required with this part.

Pin Configuration

Pin No.	Function
2,5	Not Connected
-	External 50Ohms
1	Ground
-	Case Grounds
6	Input
4	Port 1
3	Port 2

Case Style:

SM-135 Package



Dimensions in inches [mm] Tolerance: .xx ± .02, .xxx ± .010

Absolute Maximum Ratings ^{1,2}

Parameter	Absolute Maximum
Max Power Rating	1 Watt
Internal Load Dissipation	0.125 Watt
Pin Temp (10 sec)	260°C
Storage Temp.	-55°C to 100°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.

Note: Reference Application Note **M513** for reel size information.

Ordering Information

Part Number	Package
MACPES0026TR	900 piece reel

* Restrictions on Hazardous Substances, European Union Directive 2002/95/EC.

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Visit www.macom.com for additional data sheets and product information.

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Electrical Specifications @25°C

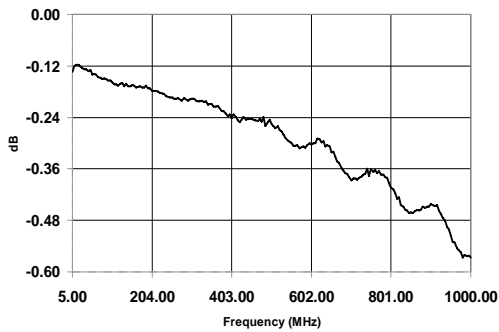
Parameter	Units	Typical	Minimum	Maximum
Frequency Range	5 - 1000	MHz	—	—
Insertion Loss	5 - 40 MHz	dB	0.6	1.0
	40 - 400 MHz	dB	0.6	0.8
	400 - 500 MHz	dB	0.7	0.8
	500-1000 MHz	dB	0.8	1.0
Isolation	5 - 40 MHz	dB	26	19
	40 - 400 MHz	dB	26	19
	400 - 500 MHz	dB	21	16
	500-1000 MHz	dB	17	10
Amplitude Unbalance	5 - 40 MHz	dB	—	0.6
	40 - 400 MHz	dB	—	0.4
	400 - 500 MHz	dB	—	0.6
	500-1000 MHz	dB	—	0.6
Phase Unbalance	5 - 40 MHz	°	—	3.0°
	40 - 400 MHz	°	—	3.0°
	400 - 500 MHz	°	—	3.0°
	500-1000 MHz	°	—	5.0°
Output Return Loss	5 - 40 MHz	dB	20	14
	40 - 870 MHz	dB	24	16
	40 - 1000 MHz	dB	24	16
Input Return Loss	5 - 40 MHz	dB	20	15
	40 - 870 MHz	dB	22	17
	40 - 1000 MHz	dB	22	16

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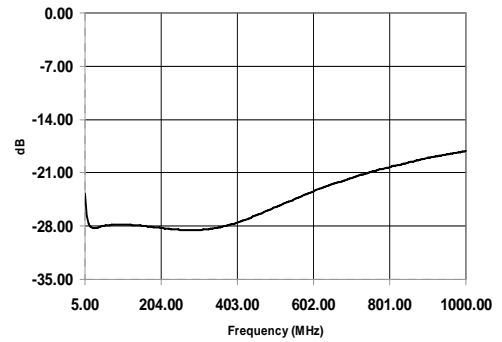
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Typical Performance @ +25°C

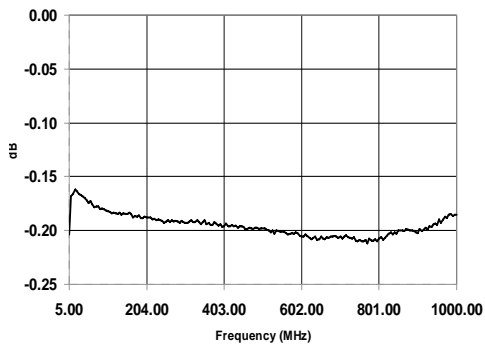
Insertion Loss



Isolation



Amplitude Unbalance



Phase Unbalance

