E-Series 75 Ohm Coupler 40 - 1000 MHZ



MACPES0028

Features

- Coupling 7db Typical
- Surface Mount
- Tape and Reel Packaging available



Description

M/A-COM's MACPES0028 is a high performance 75 Ohm Coupler, in a SM-137 low cost, surface mount package.

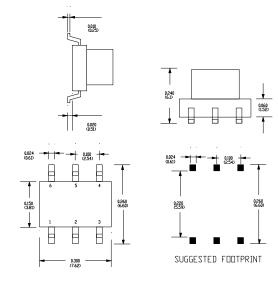
Electrical Specifications @25°C

Frequency Range 40- 1000 MHz Units Maximum Nominal Typical Minimum Mainline Loss 40- 1000 MHz dB 1.9 3.0 40- 1000 MHz Coupling dB 7.0 ± 0.5 ___ 40- 1000 MHz dB 15.5 7.0 Directivity _ ____ 22 Input Return Loss 40- 1000 MHz dB 15 **Output Return Loss** 40-1000 MHz dB 25 15 **Coupled Return Loss** 40- 1000 MHz dB 22 14.5

Please Note that the photograph above indicates package shape only, unit may be wired differently.

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Solutions has under development. Periorhance is based or engineering tests, Specifications are typical. Mechanical outline has been fixed. Engineering samples and/or test data may be available. Commitment to produce in volume is not guaranteed. SM-137 Package



S 1598 A

• North America Tel: 800.366.2266 • Europe Tel: +353.21.244.6400

• India Tel: +91.80.4155721 • China Tel: +86.21.2407.1588

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

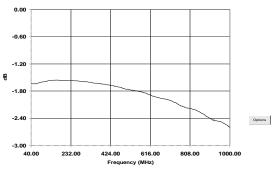
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Operating Characteristics

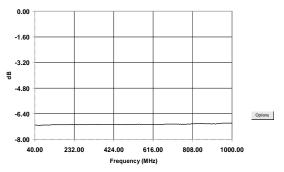
| Function | Pin No. |
|------------------|---------|
| Input | 1 |
| Output | 6 |
| Coupled | 3 |
| Ground | 5 |
| Not Connected | 2 |
| External 75 Ohms | 4 |

Typical Performance @ 25°C

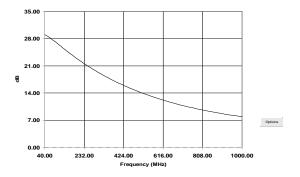
Mainline Loss









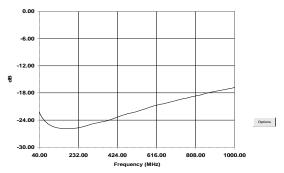


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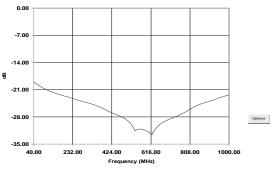
Absolute Maximum Ratings

| _ | | |
|-------------------------------|------------------|--|
| Parameter | Absolute Maximum | |
| RF Power | 250 mW | |
| DC Current | 30 mA | |
| Pin Temperature (10 sec) | 260°C | |
| Operating/Storage Temperature | -40°C to +85°C | |

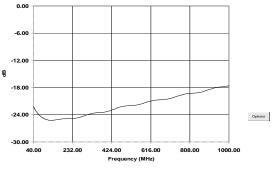
Input Return Loss



Output Return Loss



Coupled Port Return Loss



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