

Features

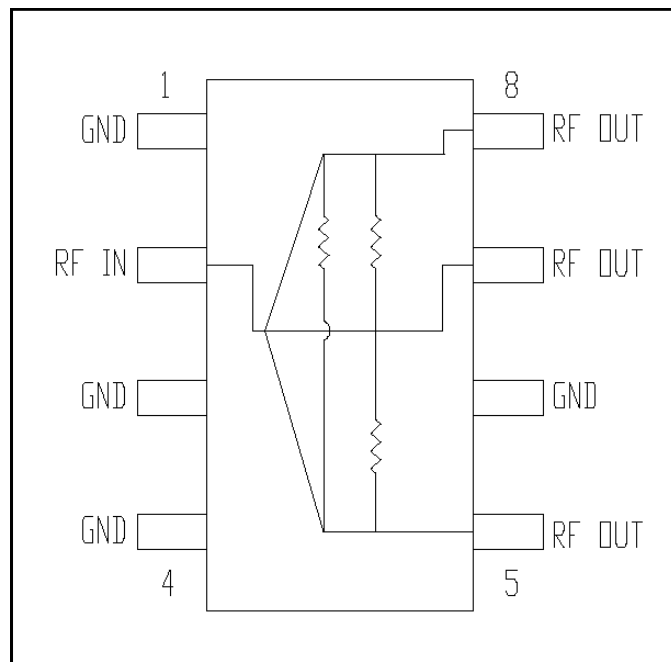
- Small Size and Low Profile
- Excellent Insertion Loss 0.6 dB Typical
- Superior Repeatability
- Low Cost
- CSM, AMPS, CDPD, ARDIS, RAM Frequency Coverage
- Lead-Free SOIC-8 Package
- 100% Matte Tin Plating over Copper
- Halogen-Free “Green” Mold Compound
- 260°C Reflow Compatible
- RoHS* Compliant Version of DS53-0001

Description

M/A-COM’s MAPDCC0005 is an IC-based monolithic power divider in a low cost SOIC-8 plastic package. This 3-way power divider is ideally suited for applications where small size, low profile, and low cost without sacrificing Performance, are required. Typical applications include Base Stations, portables and PCMCIA cards for cellular applications. Available in Tape and Reel.

The MAPDCC0005 is fabricated using a passive-integrated circuit process. The process features full-chip passivation for increased performance and reliability.

Functional Block Diagram¹



1. All unused pins must be RF and DC grounded.

Ordering Information

Part Number	Package
MAPDCC0005	Bulk Packaging
MAPDCC0005TR	1000 piece reel
MAPDCC0005-TB	Sample Test Board

Note: Reference Application Note M513 for reel size information.

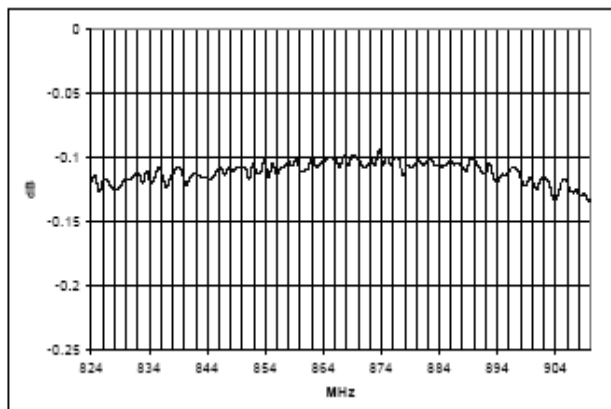
Pin Configuration

Pin No.	Function	Pin No.	Function
1	GND	5	RF OUT
2	RF IN	6	GND
3	GND	7	RF OUT
4	GND	8	RF OUT

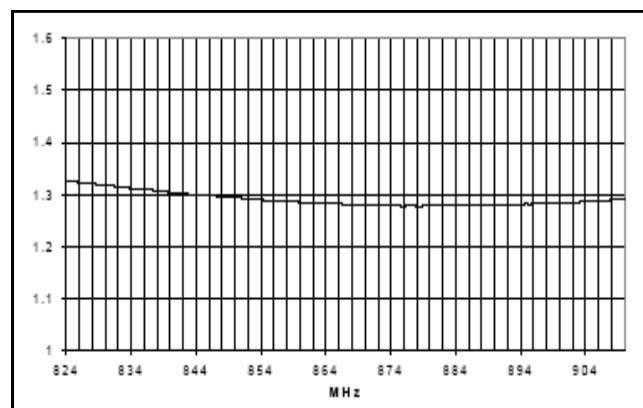
¹ * Restrictions on Hazardous Substances, European Union Directive 2002/95/EC.

Typical Performance Curves

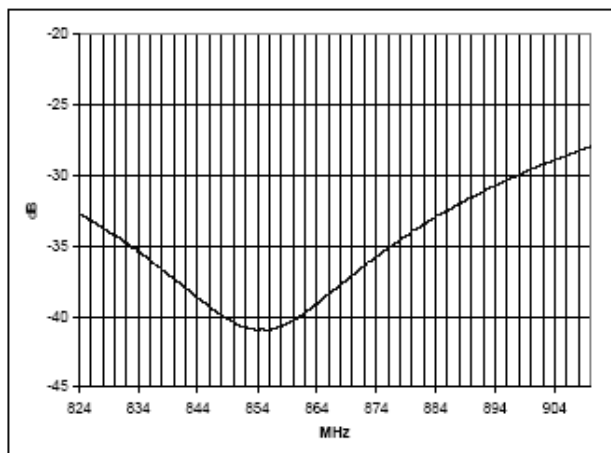
Insertion Loss vs. Frequency



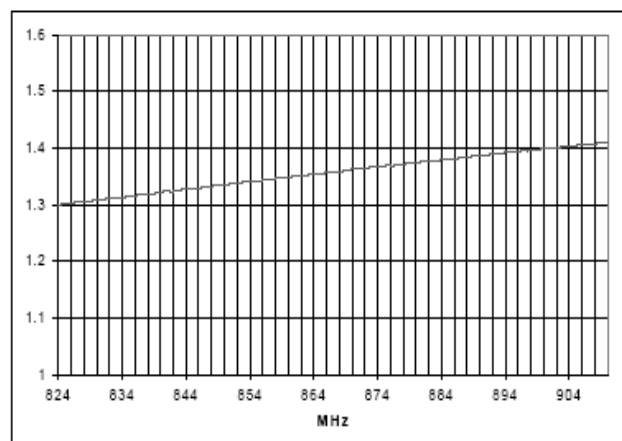
VSWR Input vs. Frequency



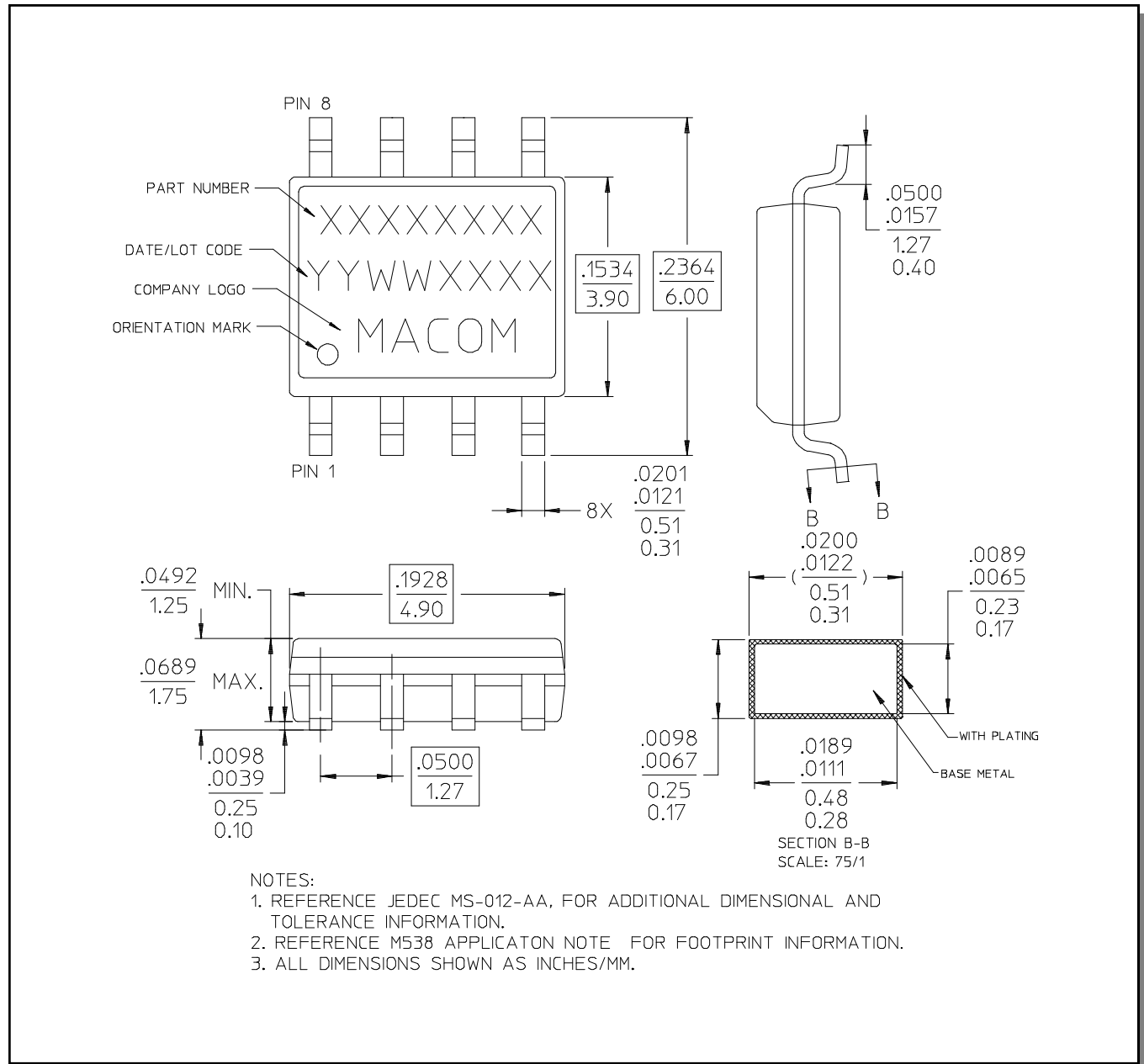
Isolation vs. Frequency



VSWR Output vs. Frequency



Lead-Free, SOIC-8[†]



[†] Reference Application Note M538 for lead-free solder reflow recommendations.