

Drop-In, High Power, Low Intermod Isolators

MAFRIN0167, MAFRIN0160, MAFRIN0164,
MAFRIN0165, MAFRIN0166

Features

- Designed for Wireless Telecommunication Systems, Base Stations and Power Amplifier applications
- Excellent IM performance
- High Performance at low cost
- High power handling utilizing non-toxic aluminum nitride termination and copper heat sink
- Stable ceramic magnet based design
- Robust construction
- Custom products available with alternate configurations including a dual junction, the addition of an attenuator, detector, TTL logic etc.

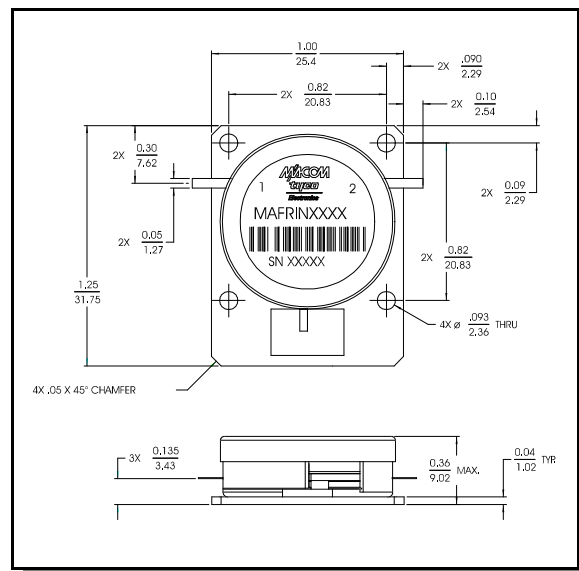
Description

M/A-COM's drop-in circulators and isolators, designed for wireless Base Station and Power Amplifier applications, feature high reliability performance at a low cost. These proven robust designs are qualification tested. Tests include temperature cycling, high temperature exposure, vibration, shock, and corrosion / moisture testing. These designs feature a low cost package ideally suited for high volume manufacturing. M/A-COM is the world's largest supplier of drop-in isolators and circulators for the wireless infrastructure market.

Specifications

Parameter	
Isolation	20 dB Min. 25 dB Typical
Insertion Loss	0.25 Max. 0.20 dB Typical
Forward Power	100 Watts
Reflected Power	70 Watts
VSWR	1.22:1 Max.
Passive Intermod Prod.	-80 dBc with two 30 W tones
Operating Temperature	-10 °C to +70°C

Outline Drawing



Model Number	Frequency Range
MAFRIN0167	869 –894 MHz
MAFRIN0160	925 - 960 MHz
MAFRIN0164	1805 -1880 MHz
MAFRIN0165	1930 - 1990 MHz
MAFRIN0166	2090 - 2190 MHz

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