

Drop-In High Power Isolators

Features

- Designed for Wireless Telecommunication Systems, Base Stations and Power Amplifier applications
- 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.

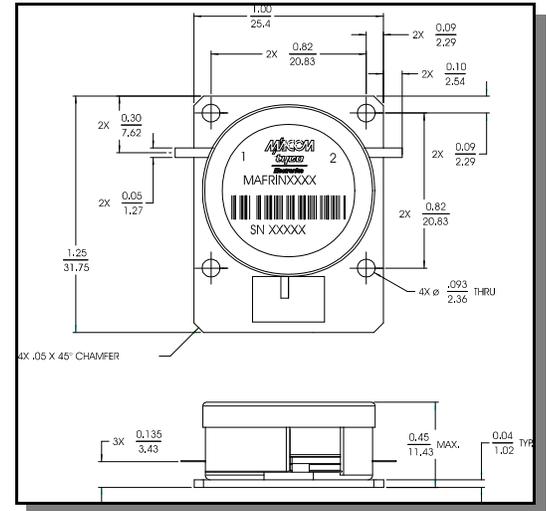
Description

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	0.35 Max. 0.25 dB Typical
Forward Power	100 Watts
Reflected Power	70 Watts
VSWR	1.22:1 Max.
Passive Intermod Prod.	-55 dBc with two 30 W tones*
Operating Temperature	-30 °C to +85°C

Outline Drawing



Model Number	Frequency Range
MAFRIN0124	869 –894 MHz
MAFRIN0125	925 - 960 MHz
MAFRIN0126	1805 -1880 MHz
MAFRIN0127	1930 - 1990 MHz
MAFRIN0128	2090 - 2190 MHz

* Lower Intermod models available

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