

Miniature Drop-In Dual Isolators

Features

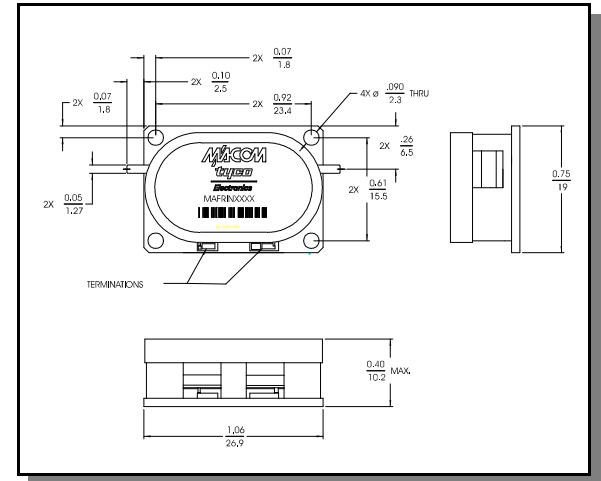
- Replaces industry standard single junction with a dual junction with 25 dB more isolation with only 0.1 dB more insertion loss in the same space
- Designed for Wireless Telecommunication Systems: GSM1800, PCS1900, UMTS2100 (3G)
- High performance at low cost in a miniaturized package.
- Small size, 1" Vs. industry standard of 2"
- Low mass, less than 18 grams vs. industry standard of greater than 36.0 grams.
- The small size utilizes less real estate while providing equal or better RF performance than the industry 2 inch standard for a dual junction isolator.
- Environmentally safe materials used, no lead option available.

Description

M/A-COM's surface mount and 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 surface mount and drop-in isolators and circulators for the wireless infrastructure market.

Model Number	Frequency Range
MAFRIN0037	1805 -1880 MHz
MAFRIN0038	1930 - 1990 MHz
MAFRIN0039	2110 –2170 MHz

Outline Drawing



Specifications

Parameter	
Isolation	45 dB Min. 50 dB Typical
Insertion Loss	0.45 Max. 0.35 dB Typical
Forward Power	50 Watts
Reflected Power	30 Watts
VSWR	1.22:1 Max.
Operating Temperature	-10 °C to +70°C

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