

Features

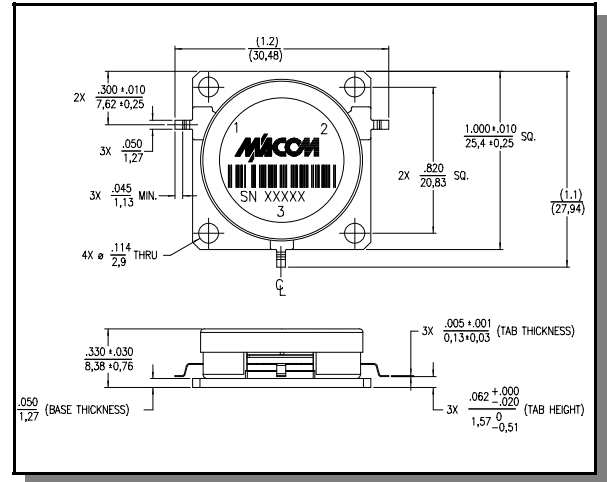
- 24 dB Isolation Typical, 0.25 dB Insertion Loss Typical
- Custom Products Available with Alternate Configurations such as Couplers, Attenuators, Higher Power Terminations, Reverse Circulation and Termination on Ports 1 or 2
- Available as Custom Product Without Flange for Surface Mount Applications (Solder Reflow)
- Designed for Wireless Telecommunications Systems: AMPS, GSM800, GSM900, DCS1800, PCS1900

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.

Part Number	Frequency Range (MHz)
FR12-0001	869 - 894
FR12-0002	925 - 960
FR12-0003	1805 - 1880
FR12-0004	1930 - 1990

OUTLINE DRAWING



Electrical Specifications

Parameter	-10°C to +60°C	-30 to +85°C
Isolation	22 dB Min 24 dB Typ	20 dB Min 22 dB Typ
Insertion Loss	0.3 dB Max 0.25 dB Typ	0.35 dB Max 0.30 dB Typ
Forward Power	65 Watts	65 Watts
Reflected Power	30 Watts	36 Watts
VSWR	1.20:1 Max	1.22:1 Max

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

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