



Surface Mount Isolator 1930 MHz—1990 MHz

MAFRIN0428

V1

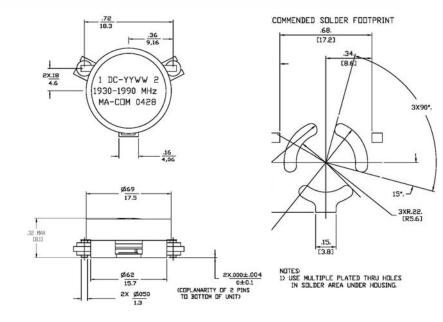
Max

Features

- · Designed for wireless base station market
- 25dB Isolation typical
- 0.25dB Insertion Loss typical
- Low cost package
- RoHS compliant

Description

This isolator is designed specifically for wireless base station applications and features high reliability performance at a low cost. It is in a low cost package ideally suited for high volume manufacturing. M/A Com is one of the largest suppliers of isolators and circulators in the world.



Electrical Specifications

 T = T_{op}¹, Z₀ = 50 Ohms

 Parameter
 Test Conditions
 Units
 Min
 Typ @25°C

 Frequency Range
 MHz
 1930

 Insertion Loss
 1930 MHz—1990 MHz
 dB
 0.25

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Frequency Range		MHz	1930		1990
Insertion Loss	1930 MHz—1990 MHz	dB		0.25	0.35
Isolation	1930 MHz—1990 MHz	dB	20.0	25.0	
Return Loss (Port 1 & 2)	1930 MHz—1990 MHz	dB	20.0	25.0	
Circulation			Clockwise		

1. See "Absolute Maximum Ratings" for Top.

Absolute Maximum Ratings

Parameter	Absolute Maximum		
Forward Power, CW	100 Watts		
Reverse Power, CW	10 Watts		
Peak Forward Power	500 Watts		
Operating Temperature	-10°C to +70°C		
Storage Temperature	-40°C to +100°C		

1. Operation of this device above any one of these parameters may cause permanent damage.

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