

SPECIFICATION SHEET

MAFRIN0428: 1930—1990 MHz Single Junction SMT Isolator

Applications

- Wireless infrastructure



Features

- Operating frequency range: 1930 to 1990 MHz
- BeO free
- RoHS compliant

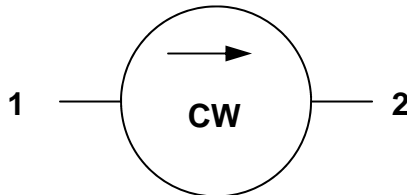


Figure 1. Block Diagram

Table 1. Absolute Maximum Ratings

Parameter	Symbol	Test Condition	Min	Max	Units
Forward power	P_{FWD}			20	W
Reverse power	P_{REV}			10	W
Operating temperature range	T_{OP}		-10	+70	°C
Storage temperature range	T_{STOR}		-40	+100	°C

Note: Exceeding any of the limits listed here may result in permanent damage to the device or may reduce device reliability.

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Table 2. Electrical Specifications (Note 1)

Parameter	Symbol	Test Condition	Min	Typical	Max	Units
Frequency range	f		1930		1990	MHz
Impedance				50		Ω
Insertion loss	IL				0.35	dB
Isolation	ISO		20			dB
Return loss	RL	PORT 1 & PORT 2	20			dB

Note 1: Performance is guaranteed under the conditions listed in this table and over the operating temperature range.

Table 3. Plating Specification

Section	Base Material	Plating
Leads	Brass	Gold
Housing	Steel	Silver

Table 4. Ordering Information

Manufacturing Part Number	Evaluation Board Part Number
MAFRIN0428	MAFX-999999-000PPR

