

## DESCRIPTION

PMI MODEL NO. CIR-5G4R5G9R-36-PIN IS A CIRCULATOR THAT OPERATES OVER THE FREQUENCY RANGE 5.4 TO 5.9 GHz. IT HAS AN INSERTION LOSS OF 1.0 dB AND AN ISOLATION OF 36 dB.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 5.4 TO 5.9 GHz
- INSERTION LOSS: ----- 1.0 dB MAXIMUM
- ISOLATION: ----- 36 dB MINIMUM
- VSWR: ----- 1.3:1 MAXIMUM
- FORWARD POWER: ----- 65 WATTS TYPICAL
- REVERSE POWER: ----- 65 WATTS TYPICAL
- CONNECTORS: ----- PIN

## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -30°C TO +75 °C (OPERATING)  
-40 °C TO +85 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

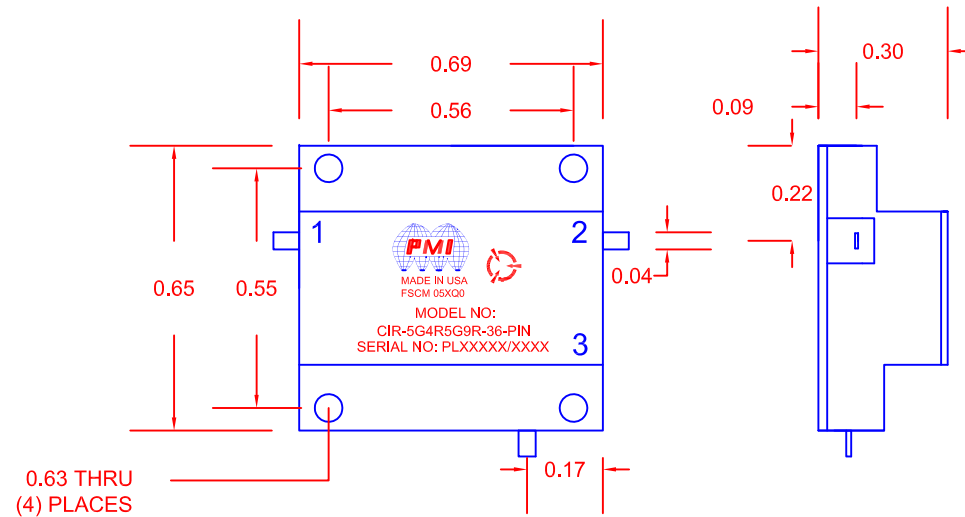
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

ALL DIMENSIONS  
ARE IN INCHES [mm]  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/15/2023	

## MECHANICAL OUTLINE



**PLANAR MONOLITHICS INDUSTRIES, INC.**  
7311-F GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
TEL: (301)-662-5019, FAX: (301)-662-1731  
WEB: [www.pmi-rf.com](http://www.pmi-rf.com), EMAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>AF</i>		8/15/23	PRODUCT FEATURE CIR-5G4R5G9R-36-PIN		
REDRAWN			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1