

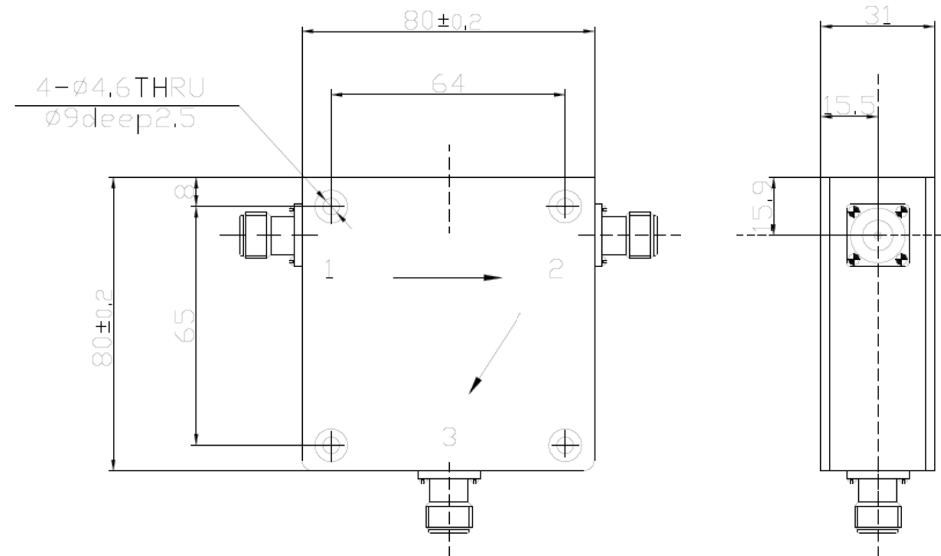
DESCRIPTION:

PMI MODEL NUMBER CIR-163M168M-19-100W-NFF IS A 0.163 TO 0.168 GHz COAXIAL CIRCULATOR FEATURING LOW INSERTION LOSS, HIGH POWER HANDLING, AND HIGH ISOLATION.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	05/20/26	

SPECIFICATIONS:

- FREQUENCY: 0.163 TO 0.168 GHz
- INSERTION LOSS: 0.35 dB MAX @ 25 °C
0.5 dB MAX
- ISOLATION: 22 dB MIN @ 25 °C
20 dB MIN
- VSWR: 1.16:1 MAX @ 25 °C
1.25:1 MAX
- INPUT POWER: 100 W CW
- DIRECTION: CLOCKWISE: 1->2->3
- IMPEDANCE: 50 OHM
- RF CONNECTORS: N FEMALE
- FINISH: ALUMINUM ALLOY



ENVIRONMENTAL RATINGS

- TEMPERATURE: 0°C TO +60°C (OPERATING)
-55°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103 COND. B
- SHOCK: MIL-STD-202, METHOD 213 COND. B
- VIBRATION: MIL-STD-202, METHOD 204 COND. B
- ALTITUDE: MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107 COND. A

PMI CONFIDENTIAL AND PROPRIETARY

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 ISO 9001 CERTIFIED



NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
 NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XX ±0.020
 X.XXX ±0.010
 WEIGHT: 2.75 oz.

APPROVALS		DATE	TITLE		
DRAWN AG		05/20/26	PRODUCT FEATURE		
CHECKED			CIR-163M168M-19-100W-NFF		
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
			SCALE N:S	SHEET 1 OF 1	