

DESCRIPTION

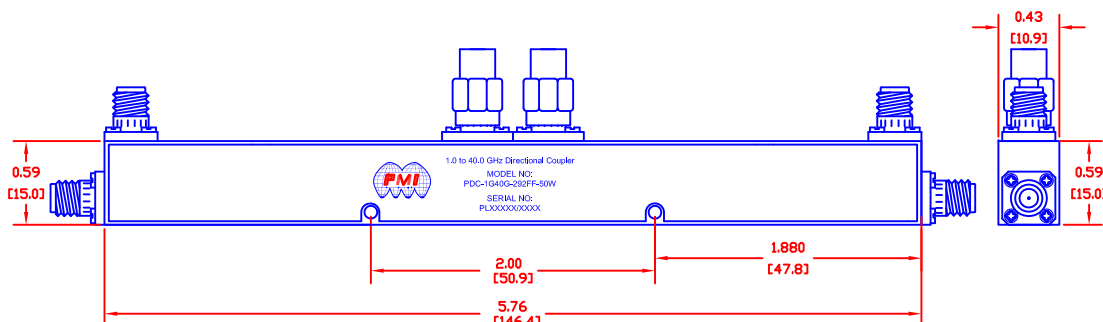
PMI MODEL NO. PDC-1G40G-292FF-50W IS A 1.0 TO 40.0 GHz DUAL DIRECTIONAL COUPLER.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/19/21	
	B1	ECN # 21-0119	7/29/21	

MECHANICAL OUTLINE

SPECIFICATIONS

- FREQUENCY RANGE:----- 1.0 TO 40.0 GHz
- NOMINAL COUPLING:----- 20 dB MAXIMUM
- FREQUENCY SENSITIVITY:----- 1.2 dB MAXIMUM
- DIRECTIVITY:----- 10 dB MINIMUM
- INSERTION LOSS:----- 2.8 dB MAXIMUM
- VSWR PRIMARY:----- 1.7:1 MAXIMUM
- VSWR SECONDARY:----- 1.6:1 MAXIMUM
- POWER HANDLING:----- 50 WATT (FORWARD POWER)
- CONNECTORS:----- 2.92 mm (F)
- SIZE:----- 5.76" x 0.59" x 0.43"
- FINISH:----- PAINTED BLUE



ENVIRONMENTAL RATINGS

- TEMPERATURE:----- - 40°C TO +70°C (OPERATING/STORAGE)
- ALTITUDE:----- 60,000 FT 1.0 psi MIN
- HUMIDITY:----- 95% RH @ 40°C
- SHOCK:----- 20G FOR 11msec HALF SINE WAVE, 3 AXIS BOTH DIRECTIONS

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



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

APPROVALS		DATE		TITLE			
DRAWN		8/4/17		PRODUCT FEATURE			
CHECKED				PDC-1G40G-292FF-50W			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	27041140	B1
				SCALE	N:S	SHEET	1 OF 1