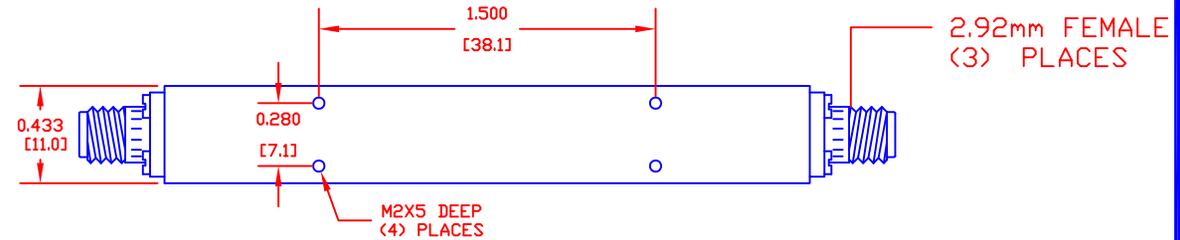


DESCRIPTION

PMI MODEL NO. PDC-1G40G-10C-292FF-20W IS A 1.0 TO 40.0 GHz DUAL DIRECTIONAL COUPLER.

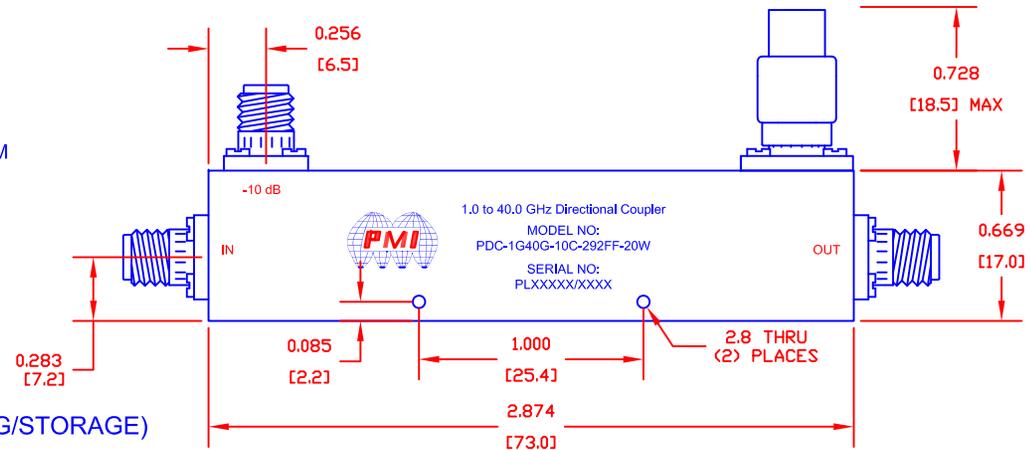
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/26/23	

MECHANICAL OUTLINE



SPECIFICATIONS

- FREQUENCY RANGE:----- 1.0 TO 40.0 GHz
- COUPLING FACTOR:----- 10 +/- 1.0 dB MAXIMUM
- COUPLING SENSITIVITY:----- +/- 1.2 dB MAXIMUM
- DIRECTIVITY:----- 10 dB MINIMUM
- INSERTION LOSS:----- 2.8 dB MAXIMUM
- VSWR PRIMARY:----- 1.7:1 MAXIMUM
- VSWR SECONDARY:----- 1.7:1 MAXIMUM
- POWER HANDLING:----- INCIDENT 20 WATT MAXIMUM
REFLECTED 1 WATT MAXIMUM
- IMPEDANCE:----- 50 OHMs
- CONNECTORS:----- 2.92 mm (F)
- SIZE:----- 2.87" x 0.669" x 0.433"
- 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 <i>AF</i>		7/26/23	PRODUCT FEATURE PDC-1G40G-10C-292FF-20W			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
SCALE N:S			SHEET 1 OF 1			