

DESCRIPTION:

PMI MODEL NO. PDC-2G18G-20C-SFF-50W IS A DIRECTIONAL COUPLER THAT OPERATES OVER THE FREQUENCY RANGE OF 2.0 TO 18.0 GHz. IT HAS A COUPLING FACTOR OF 20 ± 0.7 dB MAXIMUM AND COUPLING SENSITIVITY OF ±0.7 dB MAXIMUM. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS:

- FREQUENCY RANGE: 2.0 TO 18.0 GHz
- INSERTION LOSS: 0.7 dB MAX
(EXCLUDING COUPLING LOSS 0.04 dB)
- COUPLING FACTOR: 20 ±0.7 dB MAX
- COUPLING SENSITIVITY: ±0.7 dB MAX OVER FREQUENCY
- DIRECTIVITY: 15 dB MIN
- VSWR: PRIMARY: 1.40:1 MAX*
SECONDARY: 1.40:1 MAX*
- POWER HANDLING: INCIDENT: 50 WATTS MAX
REFLECTED: 2 WATTS MAX
- IMPEDANCE: 50 Ω
- SIZE: SMA FEMALE
- FINISH: PAINTED BLUE

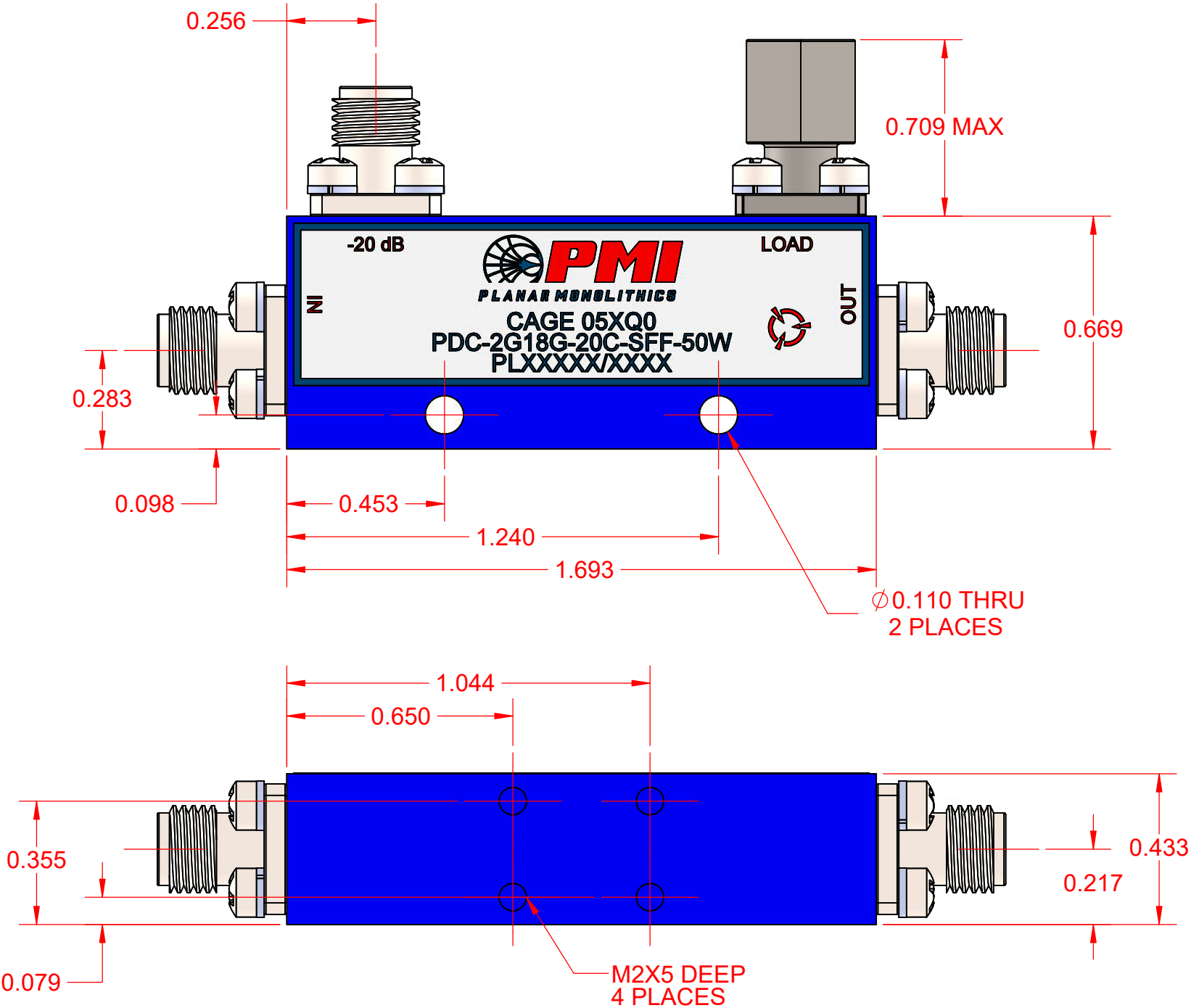
*GUARANTEED WHEN LOAD VSWR IS 1.5:1 MAXIMUM

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: UP TO 95%, NON-CONDENSING (OPERATING)
- 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

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	03/17/2020	
	A2	ECN # 26-0155	08/03/2026	



PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01					PMI PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED						
			APPROVALS		DATE		TITLE PRODUCT FEATURE PDC-2G18G-20C-SFF-50W				
			DRAWN CW		01/07/2019						
			REDRAWN								
		ISSUED		SIZE B		FSCM NO. 05XQ0		DWG NO. 27038200		REV. A2	
				SCALE 2:1						SHEET 1 OF 1	