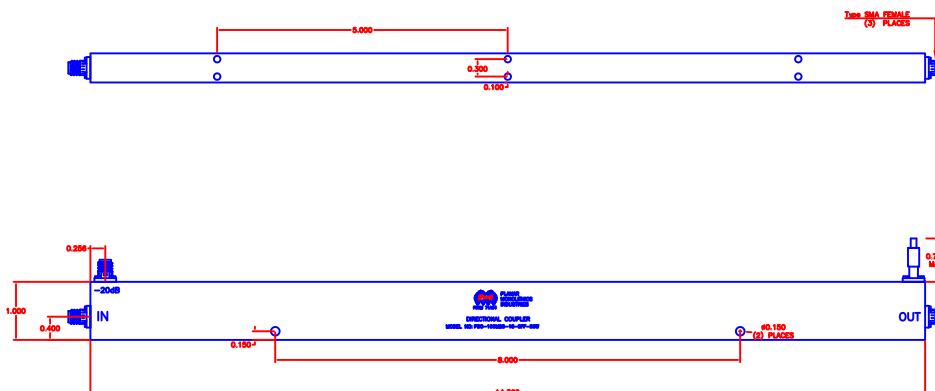


PMI MODEL PDC-100M2G-18-SFF-50W IS A 100 MHz TO 2 GHz DIRECTIONAL COUPLER HAVING A 20 dB COUPLING FACTOR AND ± 1.5 dB DIRECTIVITY. THIS MODEL HANDLES AN AVERAGE INPUT POWER OF 50 WATTS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	9/28/22	

- FREQUENCY RANGE: 100 MHz to 2.0 GHz
- INSERTION LOSS: ≤ 0.8 dB (EXCLUDING COUPLED LOSS 0.04 dB)
- VSWR: $\leq 1.30:1$
- COUPLING SENSITIVITY: ± 1.5 dB
- COUPLING FACTOR $\leq 20 \pm 1.0$ dB
- DIRECTIVITY: 18 dB MINIMUM
- POWER HANDLING: AVERAGE ≤ 50 Watts
REFLECTED ≤ 2 Watts
- IMPEDANCE: 50 Ω
- CONNECTORS: SMA FEMALE (3)
- FINISH: PAINTED BLUE



- TEMPERATURE: -55 °C TO +70 °C (OPERATING)
-65 °C TO +100 °C (STORAGE)
- HUMIDITY: UP TO 90% NON-CONDENSING
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

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

4921 ROBERT J MATHEWS PKWY, STE 1
EL DORADO HILLS, CALIFORNIA 95762
TEL: 916-542-1401 FAX: 916-265-2597
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



		TITLE				
APPROVALS		DATE		PRODUCT FEATURE PDC-100M2G-18-SFF-50W 400 MHz - 500 MHz DIRECTIONAL COUPLER		
DRAWN <i>AF</i>		9/28/22				
CHECKED						
ISSUED		SIZE		FSCM NO.	DWG NO.	REV
		A		71A34	PRELIMINARY	-
		SCALE		N:S		SHEET 1 OF 1