

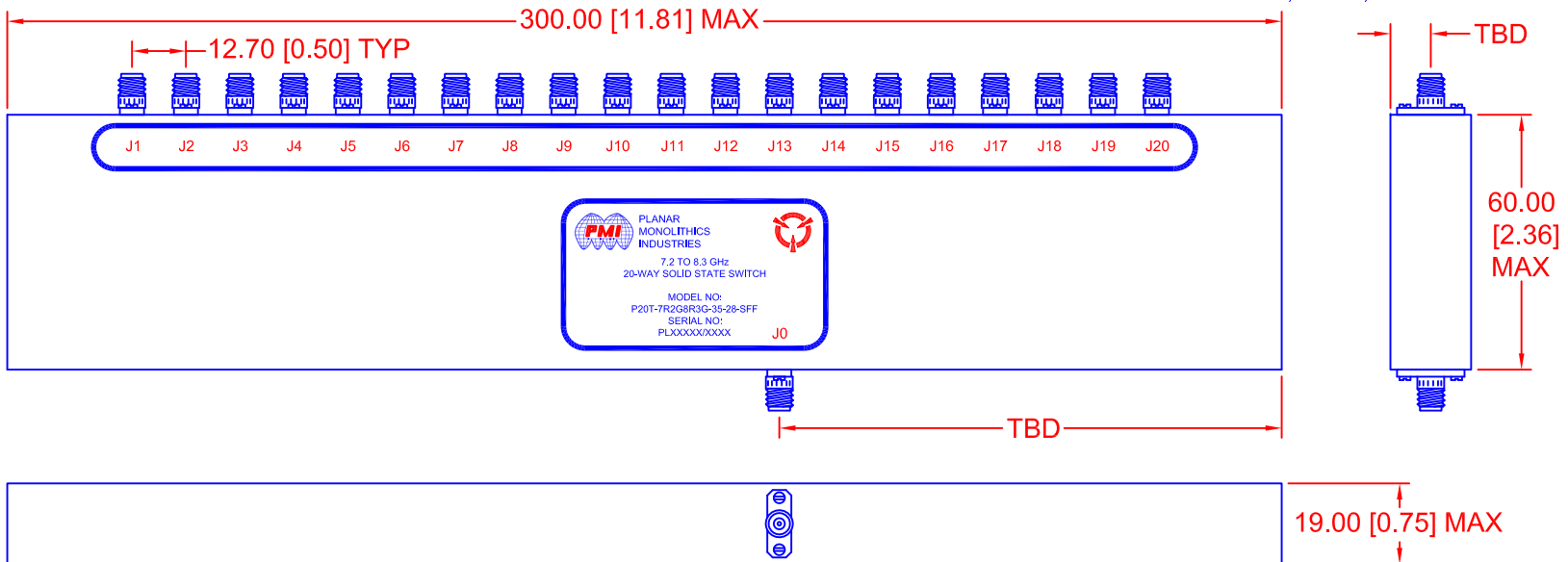
DESCRIPTION

PMI MODEL: P20T-7R2G8R3G-35-28-SFF IS A 20-WAY SWITCH OPERATING OVER THE 7.2 TO 8.3 GHz FREQUENCY RANGE. THIS MODEL OFFERS A MAXIMUM INSERTION LOSS OF 10 dB WHILE MAINTAINING A MINIMUM ISOLATION OF 35 dB BETWEEN PORTS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	07/11/16	

SPECIFICATIONS

- FREQUENCY RANGE: ----- 7.2 TO 8.3 GHz
- INSERTION LOSS: ----- 10 dB MAXIMUM @ C-BAND
- VSWR: ----- INPUT: 2.0:1 MAXIMUM
OUTPUT (ALL PORTS): 2.0:1 MAXIMUM
- ISOLATION: ----- 35 dB MINIMUM BETWEEN PORTS
- POWER HANDLING: ----- 33 dBm MAXIMUM @ C-BAND
- RF SWITCH CONTROLS PROTOCOL: -- VIA I²C COMMANDS
- POWER SUPPLY: ----- +28 VDC @ 500 mA MAXIMUM
- CONNECTORS: ----- RF: SMA FEMALE
VDC & CTL: JST S8B-PHDSS (PLACEMENT TBD)
- WEIGHT: ----- 750 g [26.46 oz] MAXIMUM
- SIZE: ----- 300 mm x 60 mm x 19 mm [11.81" x 2.36" x 0.75"]
- FINISH: ----- BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.



MECHANICAL OUTLINE

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, 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 mm [INCH]
TOLERANCES:
X.XX ± 0.508 [0.020]
X.XXX ± 0.254 [0.010]

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>M. Berry</i>		07/11/16	PRODUCT FEATURE P20T-7R2G8R3G-35-28-SFF 7.2 to 8.3 GHz 20-Way Solid State Switch			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
			SCALE	N:S	SHEET	1 OF 1