

DESCRIPTION

PMI MODEL P8T-56G72G-30-5-5-T-185FF IS AN ABSORPTIVE, SINGLE POLE EIGHT THROW PIN DIODE SWITCH THAT OPERATES OVER THE 56 GHz TO 72 GHz FREQUENCY RANGE. IT FEATURES LOW INSERTION LOSS AND HIGH ISOLATION IN A SLIMLINE PACKAGE. THIS MODEL ALSO INCORPORATES A TTL COMPATIBLE DRIVER FOR EASE OF SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY:----- 56 TO 72 GHz
- INSERTION LOSS: ----- 9.5dB MAX
- INPUT & OUTPUT VSWR: ----- 2.0:1 TYP
2.5:1 MAX
- ISOLATION: ----- 30dB MAX
- INPUT POWER: ----- 23 dBm CW MAX
- SWITCHING SPEED: ----- 100 ns MAX
- CONTROL SIGNAL: ----- SEE TTL LOGIC TABLE
- DC VOLTAGE: ----- +5 V @ 400 mA MAX, -5 V @ 300 mA MAX
- RF CONNECTORS: ----- 1.8 mm FEMALE
- SIZE: ----- 1.60" X 1.68" X 0.40"
- FINISH: ----- PAINTED BLUE

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

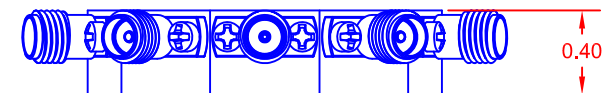
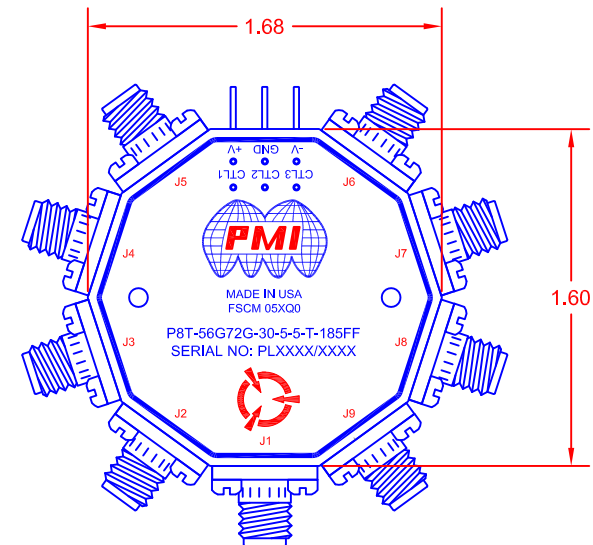
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/9/2022	



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>JPH</i>		7/9/22		PRODUCT FEATURE P8T-56G72G-30-5-5-T-185FF	
CHECKED				SIZE A	FSCM NO. 05XQ0
ISSUED				DWG NO.	PRELIMINARY
				SCALE N:S	SHEET 1 OF 2