

DESCRIPTION:

PMI MODEL NUMBER P2T-2733-40-R-10W-292FF-HERM IS A REFLECTIVE, SINGLE POLE, TWO THROW, HERMETICALLY SEALED SWITCH THAT OPERATES OVER THE 27 GHz TO 33 GHz FREQUENCY RANGE.

SPECIFICATIONS:

- FREQUENCY: 27 GHz TO 33 GHz
- INSERTION LOSS: 2.0 dB MAXIMUM
- ISOLATION: 35 dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
- SWITCHING SPEED: 500 ns MAXIMUM
- INPUT POWER: 10 W CW MAXIMUM
- CONTROL: LOGIC 0 = GND
..... LOGIC 1 = 2.8 ~ 5 V

CTL	J0-J1	J0-J2
0	Off	On
1	On	Off

- POWER SUPPLY: -40 V @ 1 mA MAXIMUM
..... -5 V @ 1 mA MAXIMUM
- RF CONNECTORS: 2.92 mm FEMALE
- FINISH: PAINTED BLUE IAW MIL-C-22750, TYPE 1,
..... EPOXY POLIMIDE COATING, OVER MIL-DTL-53022E, TYPE 4, EPOXY POLIMIDE PRIMER.
..... MOUNTING SURFACE FREE OF PAINT AND CHEMICAL CONVERSION COATED IAW MIL-DTL-5541, TYPE 1, CLASS 3.
- SEALING: HERMETIC

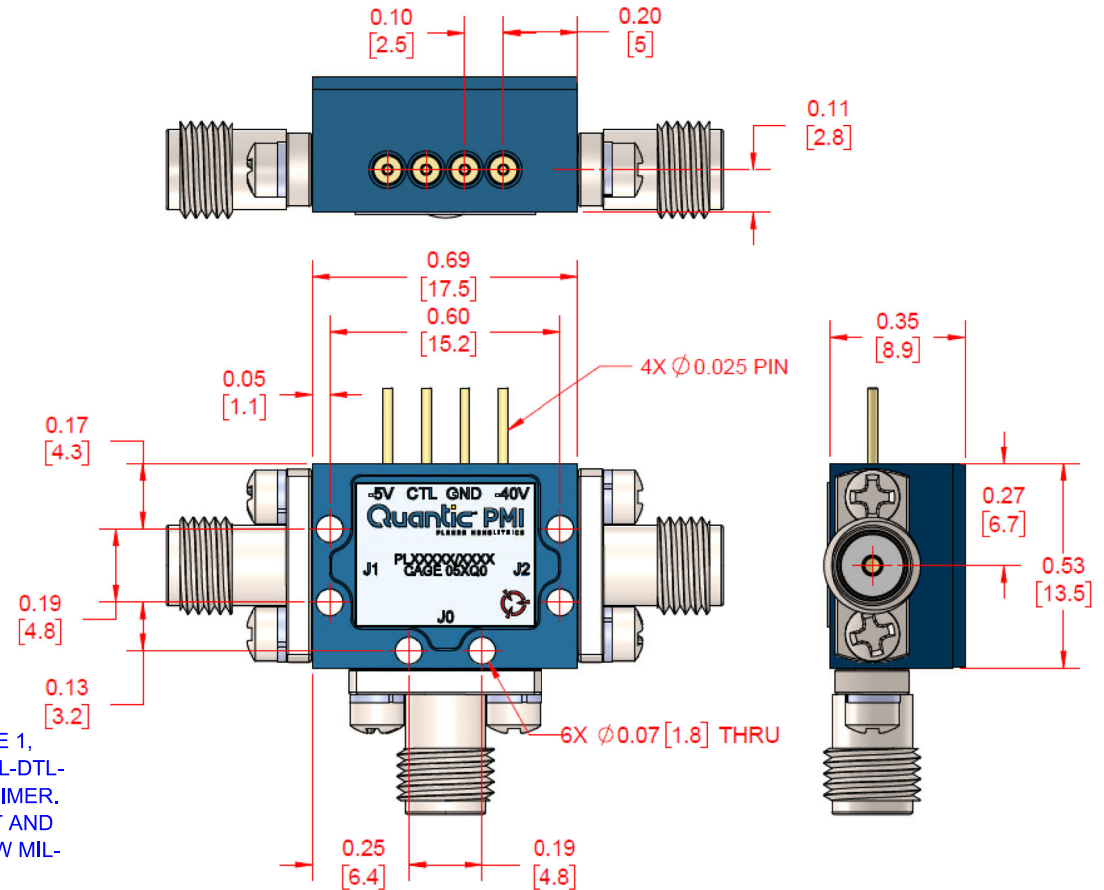
ENVIRONMENTAL RATINGS

- TEMPERATURE: -54°C TO +85°C (OPERATING)
..... -64°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 INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010
WEIGHT: 2.75 oz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	06/26/25	
	1	ADDED INPUT POWER	07/24/25	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN AG		06/26/25	PRODUCT FEATURE			
CHECKED			P2T-2733-40-R-10W-292FF-HERM			
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1
			SCALE N:S	SHEET 1 OF 1		