

DESCRIPTION

PMI MODEL P1T-9D39D5-15-SFF IS A HIGH SPEED SINGLE POLE SINGLE THROW SWITCH CAPABLE OF SWITCHING WITHIN 20 nS. THE FREQUENCY RANGE IS 9.3 TO 9.5 GHz. THIS SWITCH HAS > 70 dB ISOLATION.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/17/09	

SPECIFICATIONS

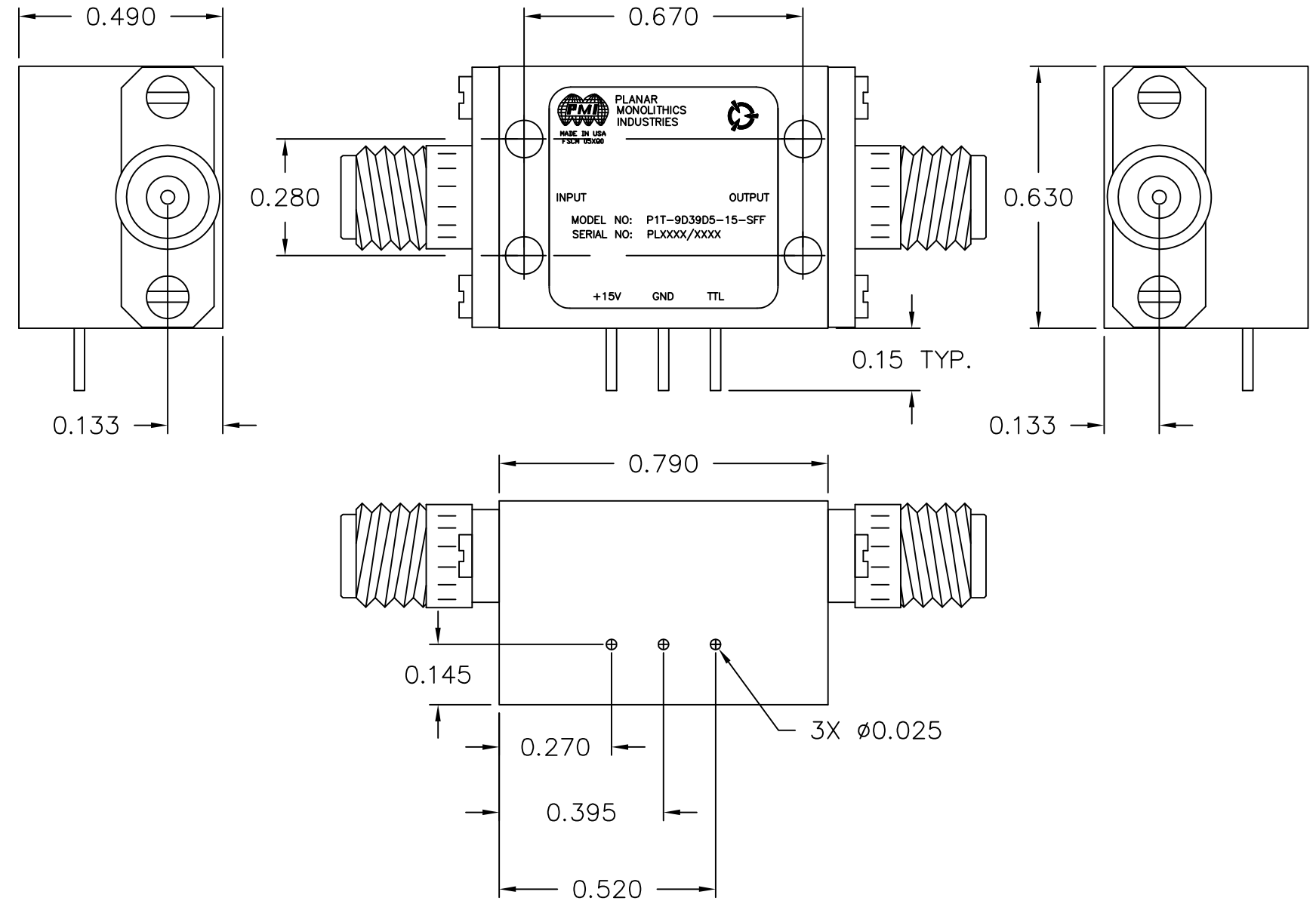
- FREQUENCY RANGE: 9.3 TO 9.5 GHz
- ISOLATION: 70 dB MIN
- INSERTION LOSS: 3.0 dB MAX
- VSWR IN / OUT: 2 : 1 MAX
- INPUT POWER: +15 dBm CW MAX
- RF SWITCHING SPEED: 20 nS MAX

- DC VOLTAGE: +15 VDC @ 60 mA

- CONTROL SIGNAL: 0 VDC OFF
+5 VDC ON

- CONNECTORS IN/OUT: SMA (F)
- FINISH: PAINTED GRAY

MECHANICAL OUTLINE



ENVIRONMENTAL RATINGS

- **TEMPERATURE:** -40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)
- **HUMIDITY:** MIL-STD-202F, METHOD 103B COND. B
- **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

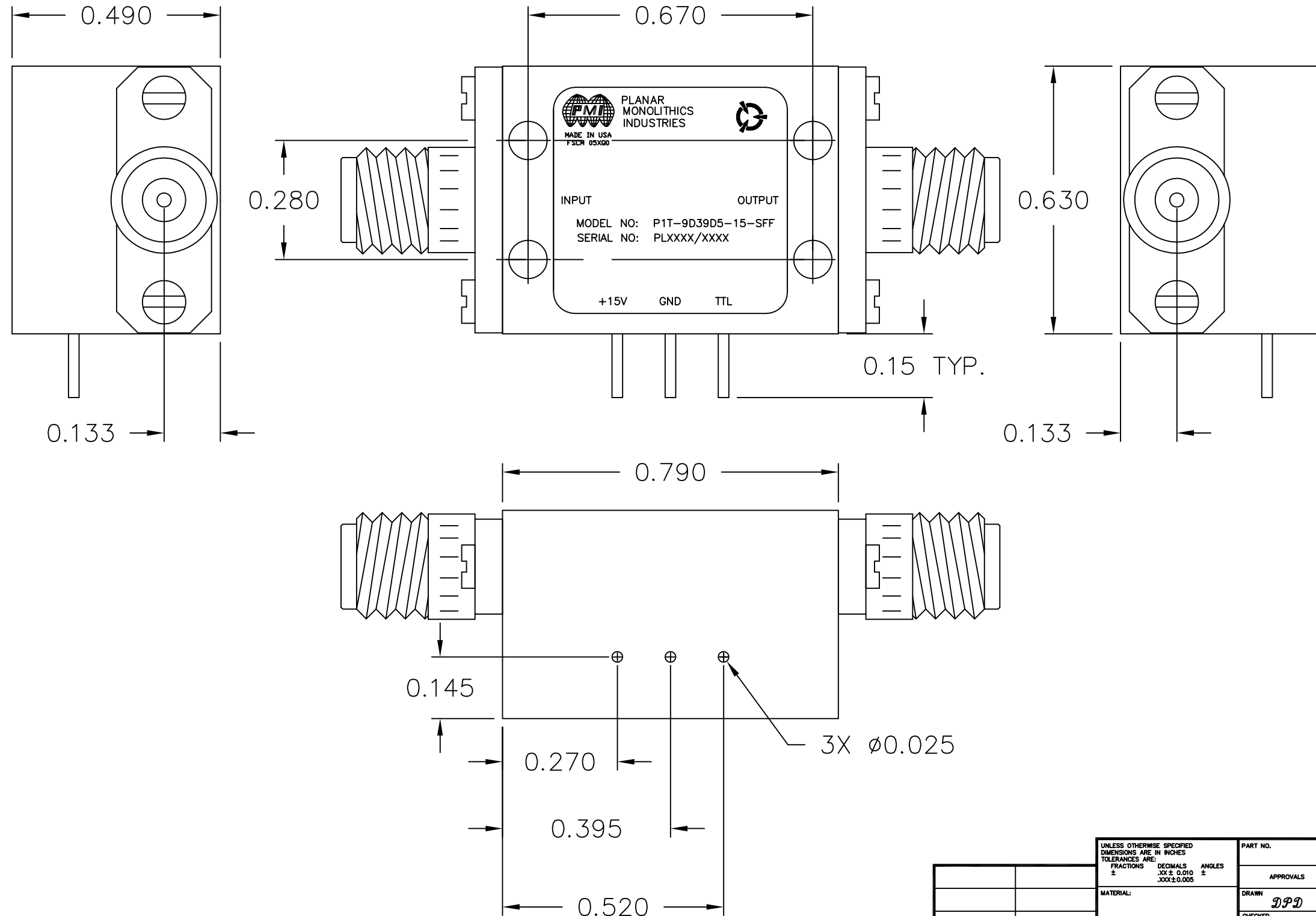
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS ± DECIMALS .XX ± 0.010 ANGLES .XXX ± 0.005		PART NO.		PLANAR MONOLITHICS INDUSTRIES 5715 INDUSTRY LANE UNIT 11 FREDERICK, MARYLAND	
MATERIAL:		APPROVALS	DATE	TITLE	
FINISH:		DRAWN	12/17/09	OUTLINE DRAWING P1T-9D39D5-15-SFF	
NEXT ASSY		CHECKED		SIZE	REV.
USED ON		ISSUED		B	A
APPLICATION		DO NOT SCALE DRAWING		FSCM NO.	DWG NO.
					27011826
				SCALE	SHEET
				N/S	1 OF 2

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MATERIAL:		APPROVALS	DATE	TITLE	
FINISH:		DRAWN <i>DPD</i>	12/17/09	OUTLINE DRAWING P1T-9D39D5-15-SFF	
NEXT ASSY	USED ON	CHECKED	ISSUED	SIZE	REV.
				B	A
APPLICATION		DO NOT SCALE DRAWING		FSCM NO. 27011826	DWG NO. 27011826
				SCALE N/S	SHEET 2 OF 2