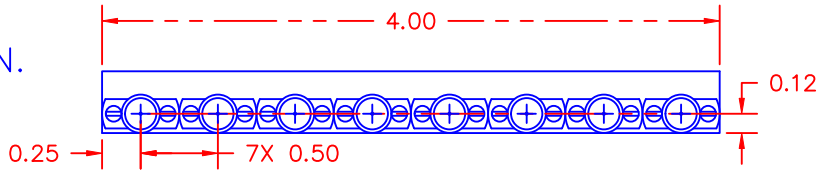
DESCRIPTION

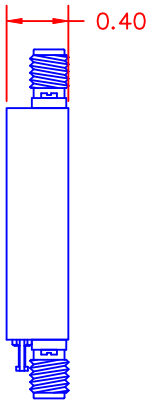
THE MODEL P8T-0R5G18G-60-R-SFF-PN IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, REFLECTIVE SWITCH CAPABLE OF SWITCHING WITHIN 100ns. THE FREQUENCY RANGE IS 0.5 TO 18.0 GHz AND THIS SWITCH HAS OVER 55dB OF ISOLATION.

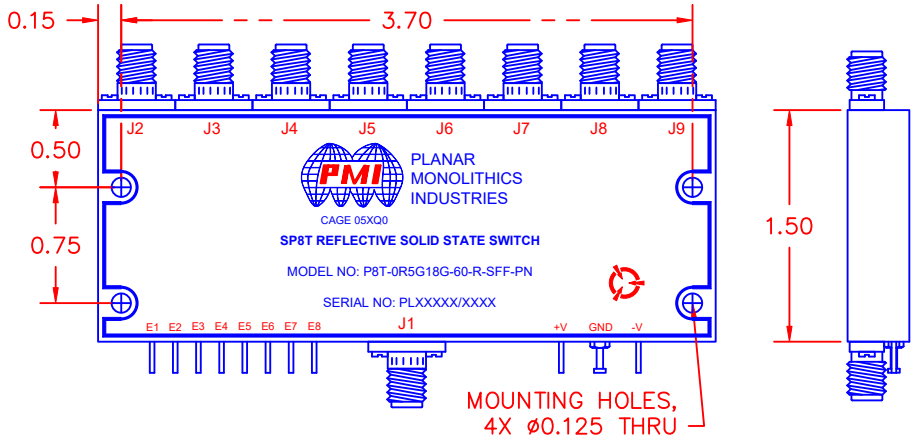
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	01/14/16	
	A1	ECN # 16-0143	10/10/16	

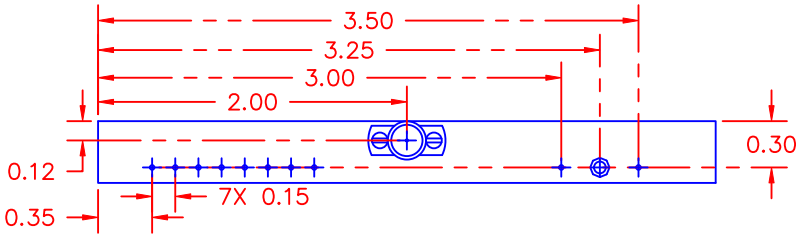


SPECIFICATIONS

- FREQUENCY RANGE: . . . . . 0.5 TO 18.0 GHz
- ISOLATION: . . . . . 55dB MIN
- INSERTION LOSS: . . . . . 4dB TYP
- VSWR IN/OUT: . . . . . 2.0:1 MAX
- OPERATING INPUT POWER: . . +20dBm CW
- SWITCHING SPEED: . . . . . 100 ns MAX
- DC VOLTAGE AND CURRENT: . . +5VDC @ 400mA
  −5VDC @ 100mA
- CONTROL SIGNAL: . . . . . EIGHT LINE TTL
  E1 CONTROLS J1−J2
  E2 CONTROLS J1−J3
  E3 CONTROLS J1−J4
  E4 CONTROLS J1−J5
  E5 CONTROLS J1−J6
  E6 CONTROLS J1−J7
  E7 CONTROLS J1−J8
  E8 CONTROLS J1−J9
  "0" ISOLATION
  "1" INSERTION LOSS
- CONNECTORS: . . . . . SMA (F)
- SIZE: . . . . . 4.0" X 1.5" X 0.4"
- 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.







ENVIRONMENTAL RATINGS

- **TEMPERATURE:** . . . −40°C TO +85°C (OPERATING)
  −55°C TO +125°C (STORAGE)

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

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN B.Thomas	01/14/16
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
P8T-0R5G18G-60-R-SFF-PN

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27027601	A1

SCALE N:S SHEET 1 OF 1