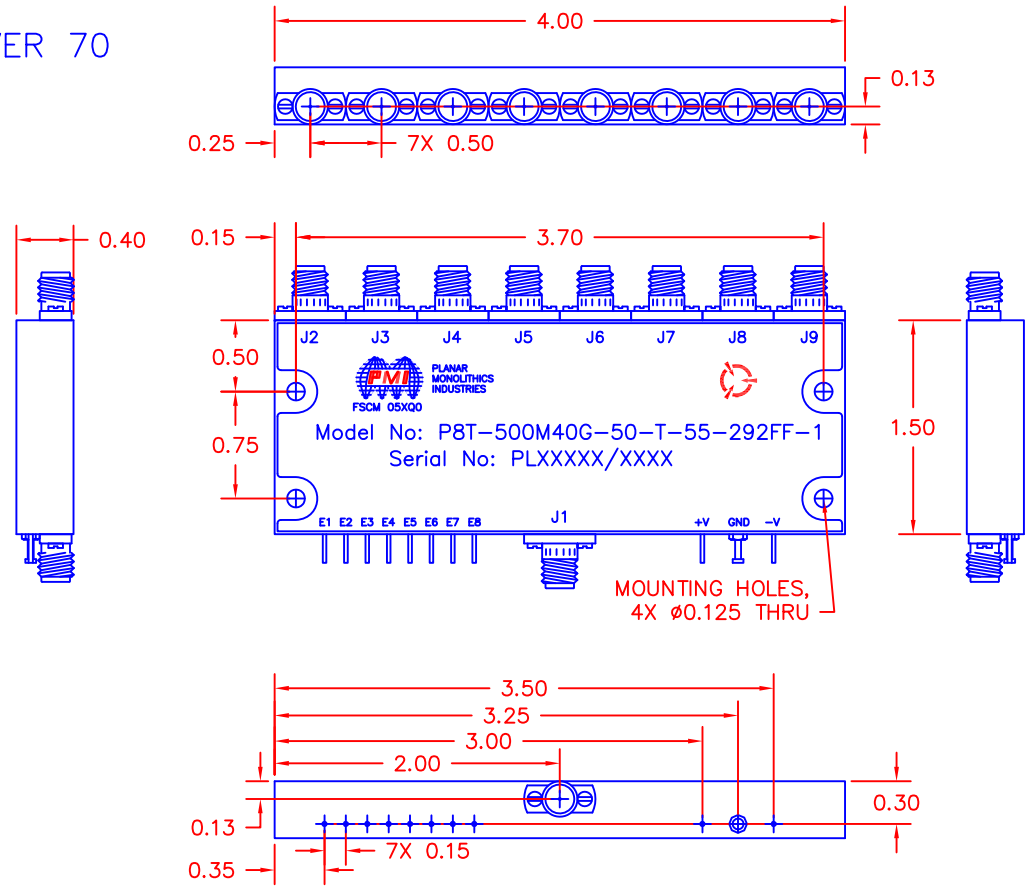
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	PRELIMINARY	2/21/17	

DESCRIPTION

THE MODEL P8T-2G18G-60-T-512-SFF IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 100 NS. THE FREQUENCY RANGE IS 2.0 TO 18.0 GHz AND THIS SWITCH HAS OVER 70 dB OF ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: ..... 2.0 TO 18.0 GHz
- ISOLATION ..... 70 dB MIN
- INSERTION LOSS ..... 4.5 dB MAX
- VSWR IN/OUT ..... 2.0:1 MAX
- OPERATING INPUT POWER ..... +30 dBm CW
- SWITCHING SPEED ..... 100 ns TYP
- DC VOLTAGE AND CURRENT ..... +5 VDC @ 400 mA TYP
  -12 VDC @ 200 mA TYP
- 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)
- FINISH ..... GOLD PLATED
- SIZE ..... 4.0" X 1.5" X 0.4"



ENVIRONMENTAL RATINGS

- **TEMPERATURE:** ..... -54°C TO +95°C (OPERATING)
  -65°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

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

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ISO 9001:2000 CERTIFIED

APPROVALS	DATE
DRAWN EMF	2/21/17
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
P8T-2G18G-60-T-512-SFF
2.0 GHz TO 18.0 GHz HIGH SPEED SWITCH 8 THROW

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	-

SCALE N:S SHEET 1 OF 1