

# DESCRIPTION

THE MODEL P8T-1G8G-80-T-55-SFF IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH WITH THE FREQUENCY RANGE 1 TO 8.0 GHz AND THIS SWITCH HAS OVER 80dB OF ISOLATION.

# SPECIFICATIONS

- FREQUENCY RANGE: ..... 1 TO 8.0 GHz
- ISOLATION: ..... 80dB MIN
- INSERTION LOSS: ..... 5dB MAX
- VSWR IN/OUT: ..... 2.0:1 TYP.
- OPERATING INPUT POWER: ..... +10dBm CW
- MAXIMUM INPUT POWER: ..... +23dBm CW
- SWITCHING SPEED: ..... 25 ns TYP., 30 ns MAX
- DC VOLTAGE AND CURRENT: ..... +5VDC @ 70mA  
 ..... -5VDC @ 20mA
- 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"

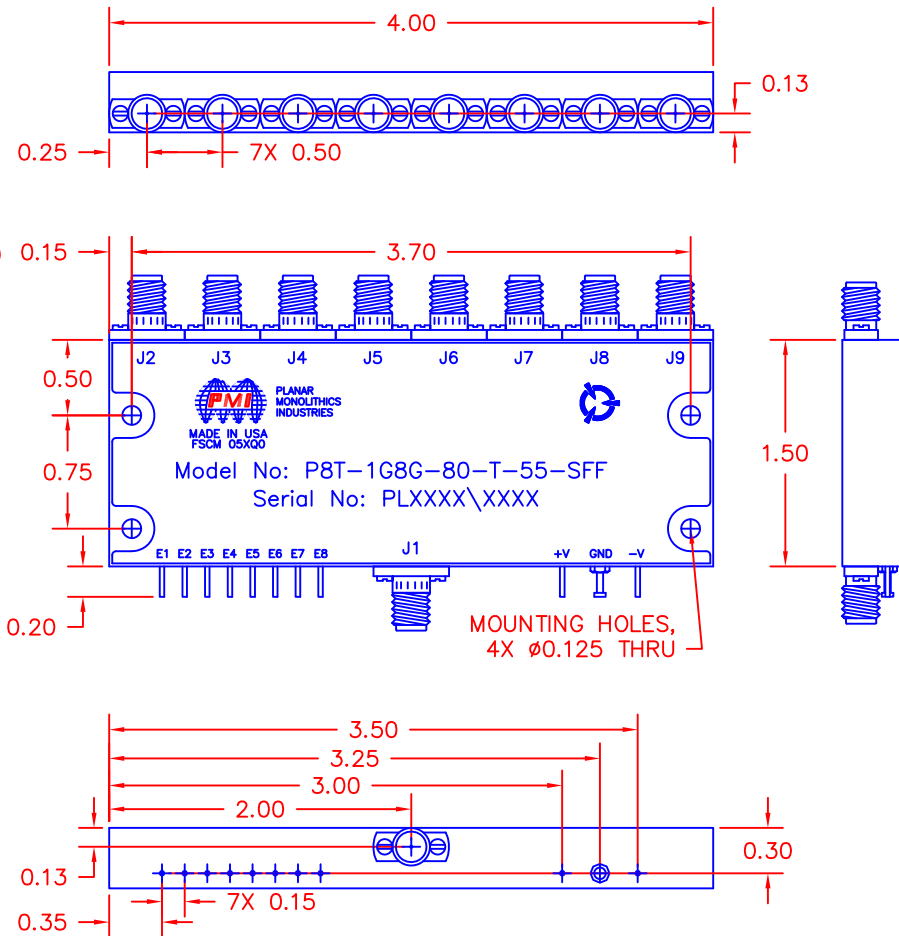
# ENVIRONMENTAL RATINGS

- **TEMPERATURE:** ..... -40°C TO +85°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  
 WEIGHT: 2.75 oz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	6/18/14	



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 ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>DPD</i>		6/18/14	PRODUCT FEATURE			
CHECKED			P8T-1G8G-80-T-55-SFF			
ISSUED			1 TO 8 GHz HIGH SPEED SWITCH 8 THROW			
SIZE	FSCM NO.	DWG NO.	REV.			
A	05XQ0	PRELIMINARY	1			
SCALE N:S			SHEET 1 OF 1			