

# DESCRIPTION

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

# SPECIFICATIONS

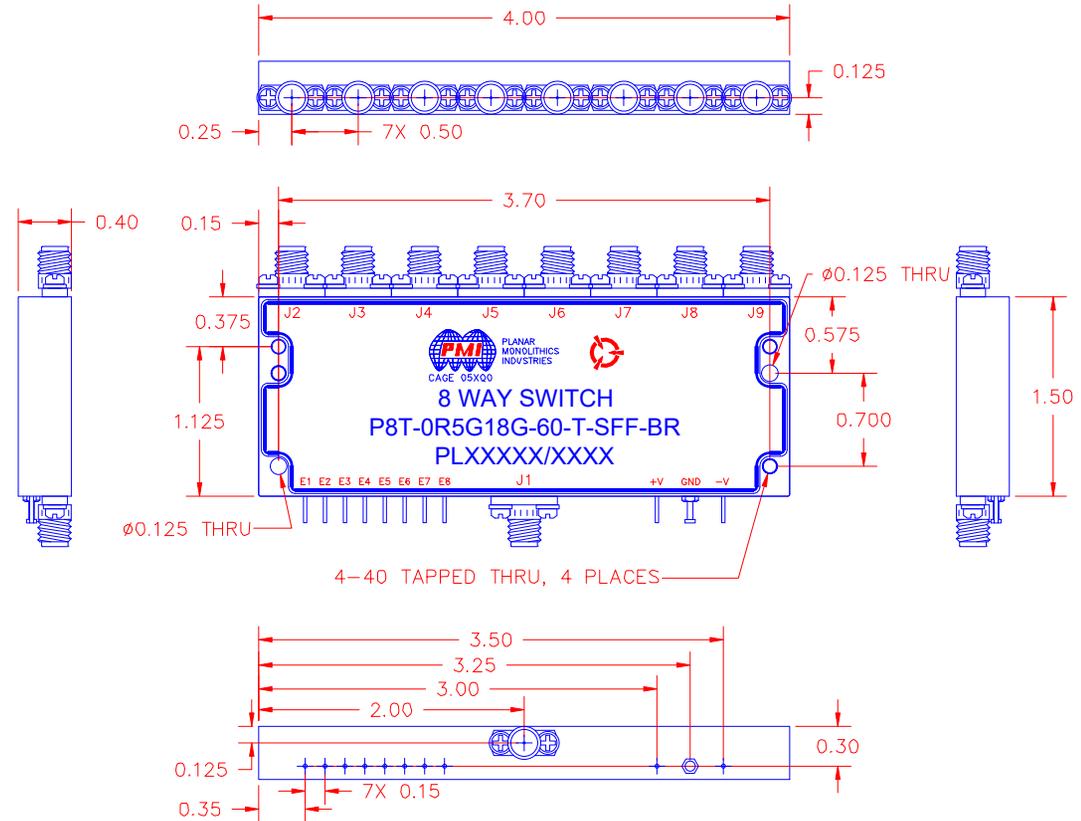
- FREQUENCY RANGE: 0.5 TO 18.0 GHz
- ISOLATION 60dB MIN
- INSERTION LOSS 4.5dB TYP / 5dB MAX.
- VSWR IN/OUT 2.0:1 MAX
- OPERATING INPUT POWER +30dBm CW
- SWITCHING SPEED 100 ns TYP
- DC VOLTAGE AND CURRENT +5VDC @ 400mA TYP  
-5VDC @ 200mA TYP
- CONTROL SIGNAL EIGHT LINE TTL
  - E1 CONTROLS J1-J2
  - 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: -55°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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	07/31/17	
	A2	ECN # 21-0207	12/8/21	



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

## PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
TEL: 301-662-5019 FAX: 301-662-1731  
WEBSITE: [www.pmi-rf.com](http://www.pmi-rf.com)  
E-MAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>sfk</i>		02/19/19	PRODUCT FEATURE P8T-0R5G18G-60-T-SFF-BR		
REDRAWN <i>SPU</i>		07/31/17	SIZE A	FSCM NO. 05XQ0	DWG NO. 27033020
ISSUED			SCALE N:S		SHEET 1 OF 1
					REV. A2