

# DESCRIPTION

THE MODEL P8T-0R5G18G-60-T-SFF-PN-OPT8G11G IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 100ns. THE FREQUENCY RANGE IS 8.0 TO 11.0 GHz AND THIS SWITCH HAS OVER 55 dB OF ISOLATION.

# SPECIFICATIONS

- FREQUENCY RANGE: 8.0 TO 11.0 GHz
- ISOLATION: 55 dB MIN
- INSERTION LOSS: 4.0 dB MAX
- 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)
- FINISH: PAINTED BLUE
- SIZE: 4.0" X 1.5" X 0.4"

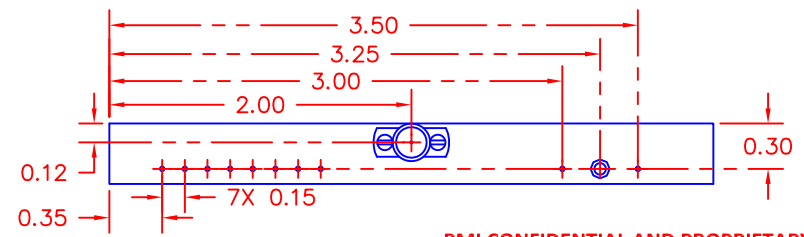
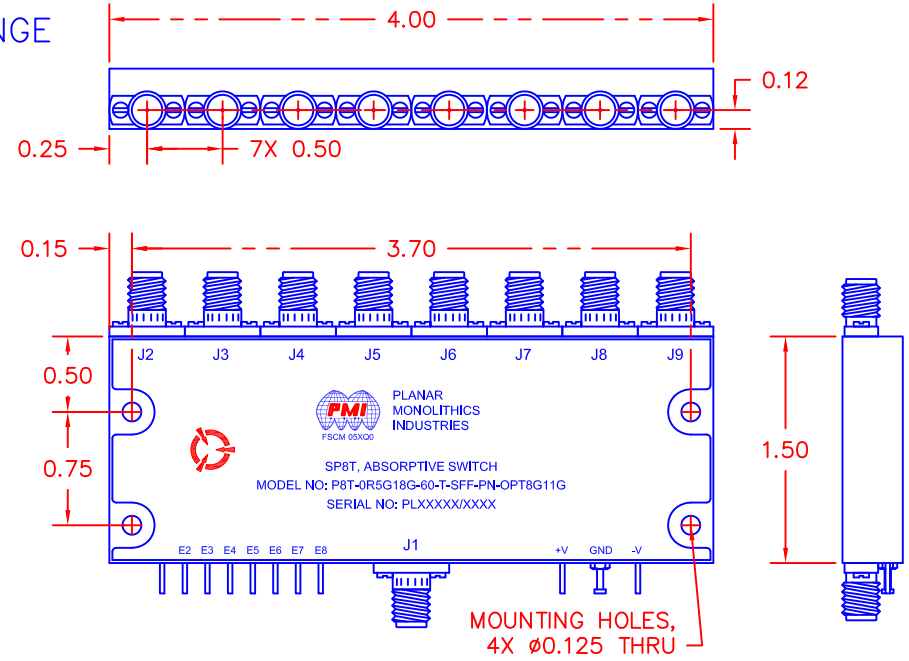
# ENVIRONMENTAL RATINGS

- 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  
WEIGHT: 2.75 oz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/23/17	



PMI CONFIDENTIAL AND PROPRIETARY

## 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>B. Thomas</i>	09/10/15	PRODUCT FEATURE			
REDRAWN	<i>EMF</i>	10/23/17	P8T-0R5G18G-60-T-SFF-PN-OPT8G11G			
ISSUED			8.0 TO 11.0 GHz HIGH SPEED SWITCH 8 THROW			
			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0		PRELIMINARY
			SCALE	N:S		SHEET 1 OF 1