

DESCRIPTION

THE MODEL P8T-8G10G-90-T-55-SFF-DEC IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 30nSEC. THE FREQUENCY RANGE IS 8 TO 10 GHz AND THIS SWITCH HAS OVER 90dB OF ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: 8 TO 10 GHz
- ISOLATION 90dB MIN
- INSERTION LOSS 4.0dB MAX, 3.5dB TYP
- VSWR IN/OUT 2.0:1 MAX
- OPERATING INPUT POWER +20dBm CW
- SWITCHING SPEED 30 ns MAX
- DC VOLTAGE AND CURRENT +5VDC @ 400mA
-5VDC @ 100mA
- CONTROL SIGNAL 3 Bit DECODED TTL
- CONNECTORS SMA (F)
- FINISH GOLD PLATED
- SIZE 4.0" X 1.5" X 0.4"

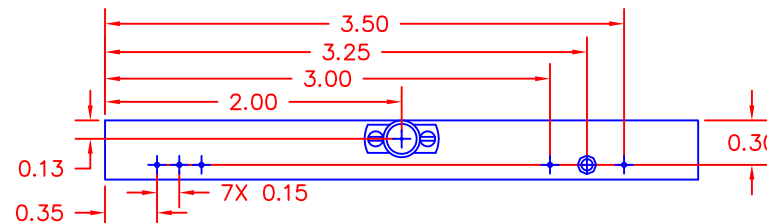
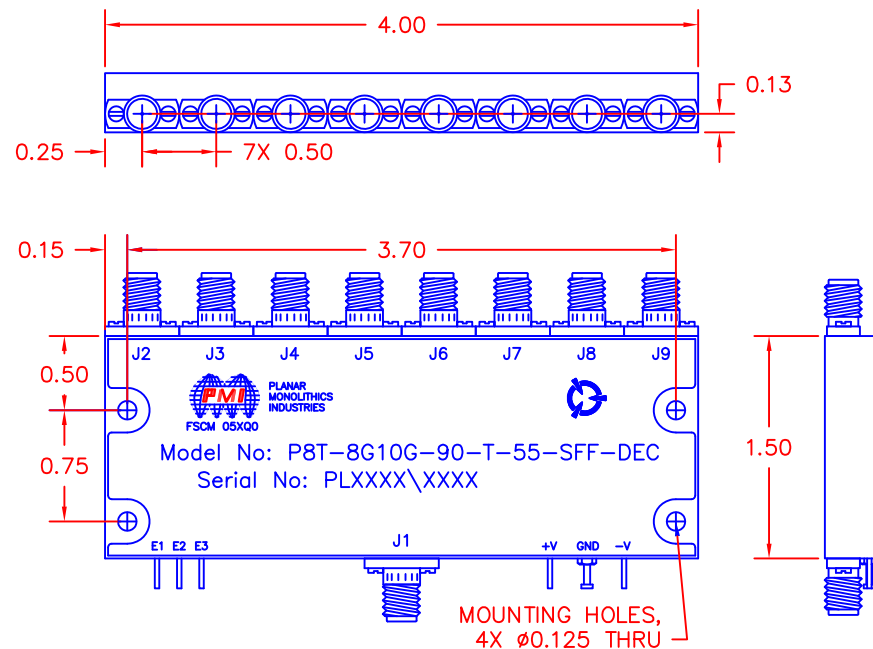
ENVIRONMENTAL RATINGS

- 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
WEIGHT: 2.75 oz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	2/16/23	



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
E-MAIL: sales@pmi-rf.com
ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>AF</i>		2/16/23	PRODUCT FEATURE		
CHECKED			P8T-8G10G-90-T-55-SFF-DEC		
ISSUED			6 TO 8 GHz HIGH SPEED SWITCH 8 THROW		
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0		-		
SCALE N:S		SHEET		1 OF 1	