

DESCRIPTION

THE MODEL P8T-33G38G-60-T-5-292FF IS A HIGH SPEED, SINGLE POLE, EIGHT THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 50ns. THE FREQUENCY RANGE IS 33.0 TO 38.0 GHz AND THIS SWITCH HAS OVER 60 dB OF ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: 33.0 TO 38.0 GHz
- ISOLATION 60 dB MIN
- INSERTION LOSS 8 dB MAX
- VSWR IN/OUT 2.5:1 MAX
- OPERATING INPUT POWER +20dBm CW
- SWITCHING SPEED 50 ns TYP
- DC VOLTAGE AND CURRENT +5 VDC @ 200 mA
- CONTROL SIGNAL 3 LINE DECODED TTL
See Table 1
- CONNECTORS 2.92mm(F)
- FINISH BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

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

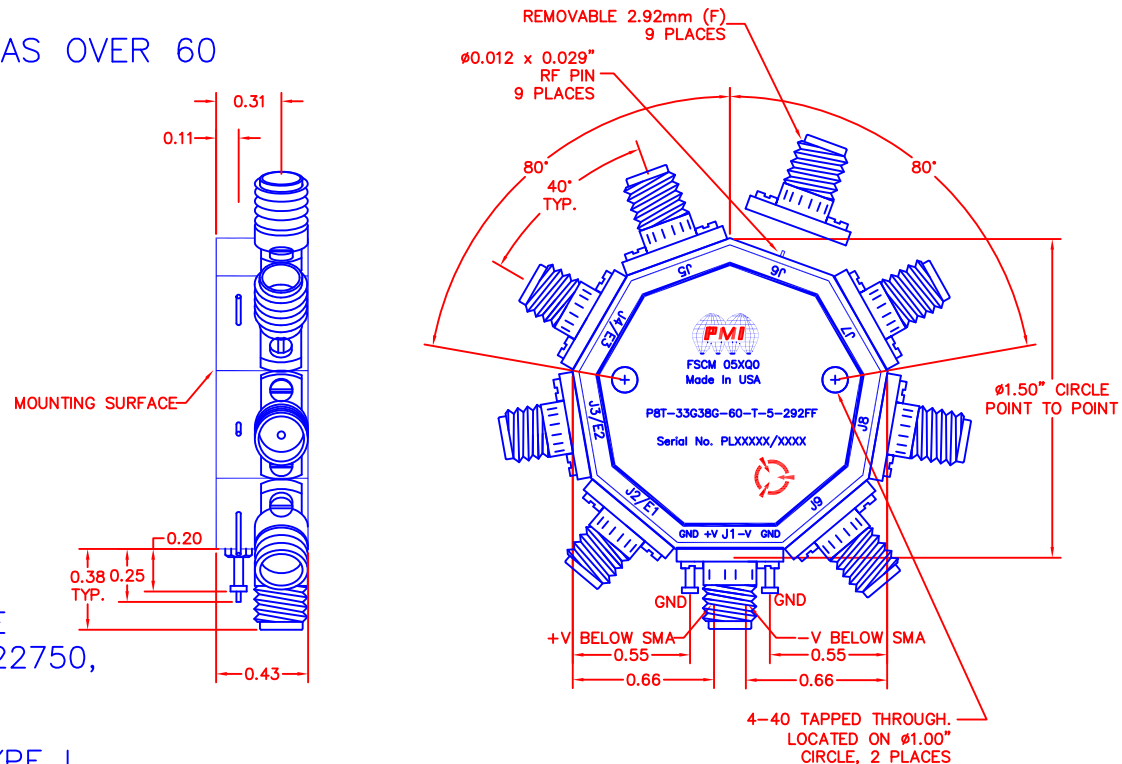
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

Table 1

E1	E2	E3	FUNCTION
0	0	0	J1-J2
0	0	1	J1-J3
0	1	0	J1-J4
0	1	1	J1-J5
1	0	0	J1-J6
1	0	1	J1-J7
1	1	0	J1-J8
1	1	1	J1-J9

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	4/12/18	



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



APPROVALS		DATE	TITLE			
DRAWN <i>DAB</i>		6/12/18	PRODUCT FEATURE			
REDRAWN <i>EW</i>		4/12/18	P8T-33G38G-60-T-5-292FF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	-
			SCALE	SHEET		
			N:S	1 OF 1		