

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	11/18/15	
	A1	ECN # 16-0098	8/18/16	

DESCRIPTION

PMI MODEL P3T-4G8G-75-T-SFF IS AN ABSORPTIVE, HIGH SPEED, SINGLE POLE THREE THROW SWITCH CAPABLE OF SWITCHING WITHIN 100 ns MAXIMUM. THE FREQUENCY RANGE IS 4.0 GHz TO 8.0 GHz. THIS SWITCH HAS 75 dB ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: 4.0 GHz TO 8.0 GHz
- IMPEDANCE: 50 Ω
- INPUT POWER: +30dBm MAX (SURVIVAL)
+20dBm MAX (OPERATING)
- VSWR: 1.6:1 TYP.
- INSERTION LOSS: 2.5dB MAX
- ISOLATION: 75dB TYP.
- SWITCHING SPEED: 100ns MAX
- DC VOLTAGE: +5VDC, 150mA TYP.
-15VDC, 100mA TYP.
- CONTROL: SOLDER PIN
TTL COMPATIBLE - SEE LOGIC TABLE
- CONNECTORS IN/OUT: SMA (F)
- SIZE: (L) 1.5" X (W) 1.5" X (H) 0.4"
- 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.

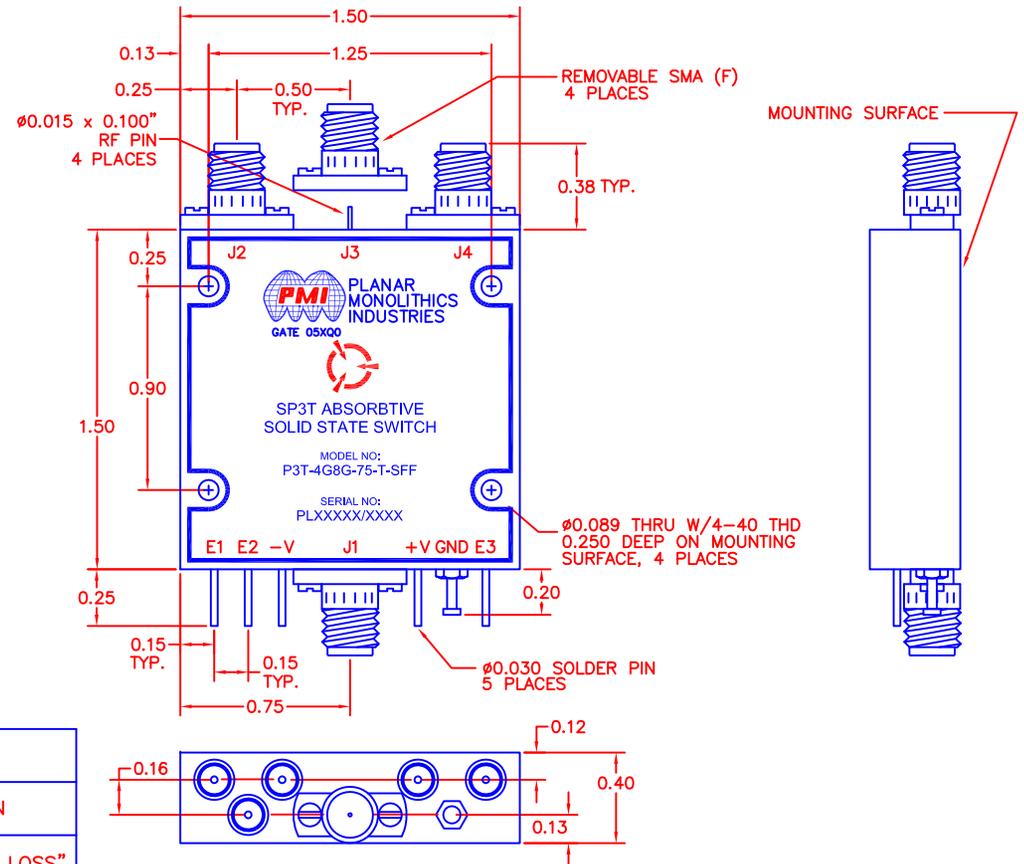
LOGIC TABLE			
E1	E2	E3	FUNCTION
0	1	1	J1-J2 "LOW LOSS"
1	0	1	J1-J3 "LOW LOSS"
1	1	0	J1-J4 "LOW LOSS"

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

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS		DATE	TITLE			
DRAWN <i>GAB</i>		11/18/15	PRODUCT FEATURE P3T-4G8G-75-T-SFF			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27026581	REV. A1
ISSUED			SCALE N:S		SHEET 1 OF 1	