DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER P6T-2G18G-55-R-512-SFF IS A REFLECTIVE SINGLE POLE, SIX THROW SWITCH THAT OPERATES FROM 2 GHz TO 18.0 GHz

SPECIFICATIONS:

- FREQUENCY: 2 GHz TO 18 GHz
- INSERTION LOSS: 7 dB MAX
- INPUT POWER: +10 dBm CW MAX
- RF POWER SURVIVAL: +25 dBm MAX
- VSWR (IN/OUT): 2.0:1 MAX
- ISOLATION: 55 dB MIN
- SWITCHING SPEED: 15 ns MAX
- VIDEO TRANSIENTS: 15 mV PP MAX
- VIDEO TRANSIENTS SPECTRAL CONTENT: -65 dBm TYP, -60 dBm MAX
- DC VOLTAGE: +5 VDC @ 200mA MAX
  -12 VDC @ 60mA MAX
- FINISH: PAINTED BLUE
- CONNECTORS: SMA FEMALE
- SIZE: 1.00"(L) X 1.40"(W) X 0.30"(H)
- CONTROL: All TTL lines Pulled High "1"
  All TTL lines "1" = NONE
  TTL1 "0" = J0 to J1
  TTL2 "0" = J0 to J2
  TTL3 "0" = J0 to J3
  TTL4 "0" = J0 to J4
  TTL5 "0" = J0 to J5
  TTL6 "0" = J0 to J6

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +85°C (OPERATING)
  -60°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. C
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- SALT FOG: MIL-STD-202F, METHOD 101D-EST COND. B
- THERMAL SHOCK: MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: MIL-STD-810F, METHOD 508.5
- EMI / EMC: MIL-STD-461E

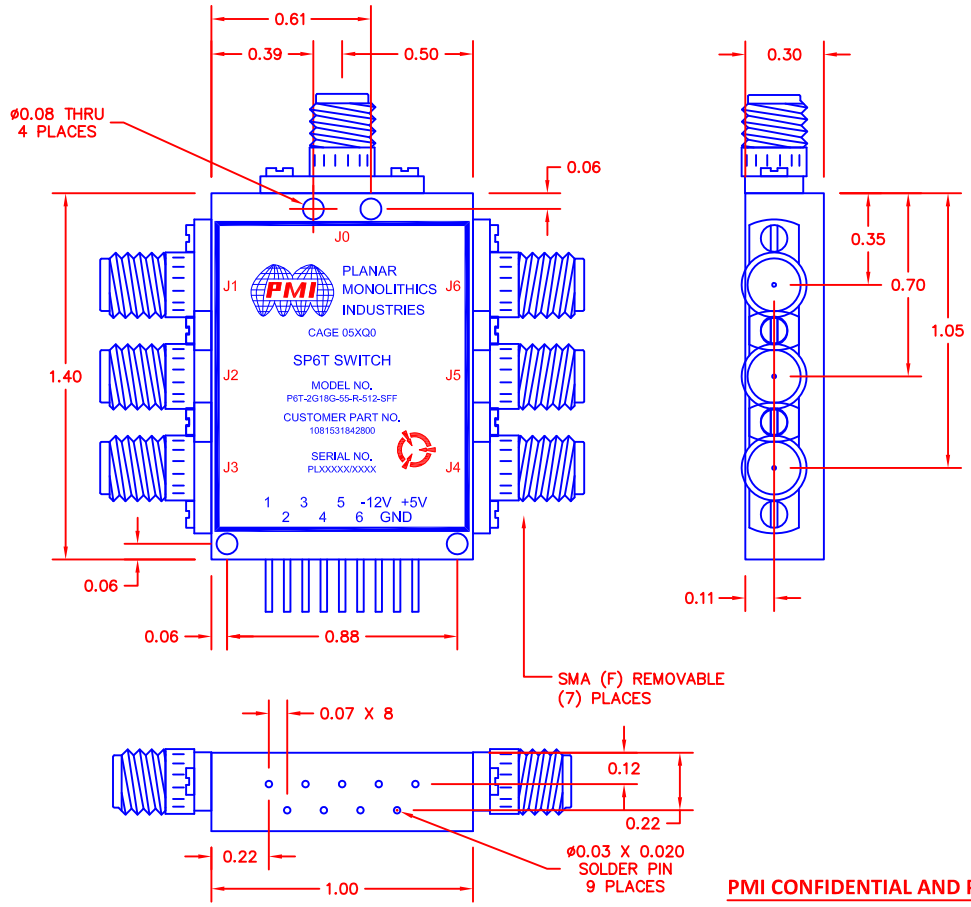
Note: Environmental testing and ESS will be met, but actual testing is not done by PMI
Actual screening is available for an additional charge.

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/11/10	
	A2	ECN # 13-0227	01/05/14	
	A3	ECN # 15-0079	07/17/15	
	B1	ECN # 19-0147	8/2/19	
	B2	ECN # 22-0102	8/16/22	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN S. PALACIO	10/11/10
CHECKED	
ISSUED	

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

TITLE
PRODUCT FEATURE
P6T-2G18G-55-R-512-SFF
SP6T SWITCH

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27013441	B2

SCALE N:S SHEET 1 OF 1