

DESCRIPTION

PMI MODEL PXS-12G18G-65-T-SFF IS AN ABSORPTIVE, HIGH SPEED, TWO POLE TRANSFER SWITCH CAPABLE OF SWITCHING WITHIN 100 ns MAXIMUM. THE FREQUENCY RANGE IS 12.0 GHz TO 18.0 GHz. THIS SWITCH HAS > 65 dB ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: 12.0 GHz TO 18.0 GHz
- IMPEDANCE: 50 Ω
- INPUT POWER: +27dBm (0.5 WATT) MAX
- VSWR: 2.0:1 MAX
- INSERTION LOSS: 3.0dB MAX
- ISOLATION: 65dB MIN
- SWITCHING SPEED: 100ns MAX
- DC VOLTAGE: +5VDC
-15VDC (±3V)
- CONTROL: SOLDER PIN
TTL LOGIC - SEE TABLE
- CONNECTORS IN/OUT: SMA (F)
- SIZE: (L) 1.2" X (W) 1.2" X (H) 0.5"
- 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.

TTL LOGIC TABLE

TTL LOGIC	INSERTION LOSS	ISOLATION
"0"	J1 - J2 J3 - J4	J1 - J4 J2 - J3
"1"	J1 - J4 J2 - J3	J1 - J2 J3 - J4

ENVIRONMENTAL RATINGS

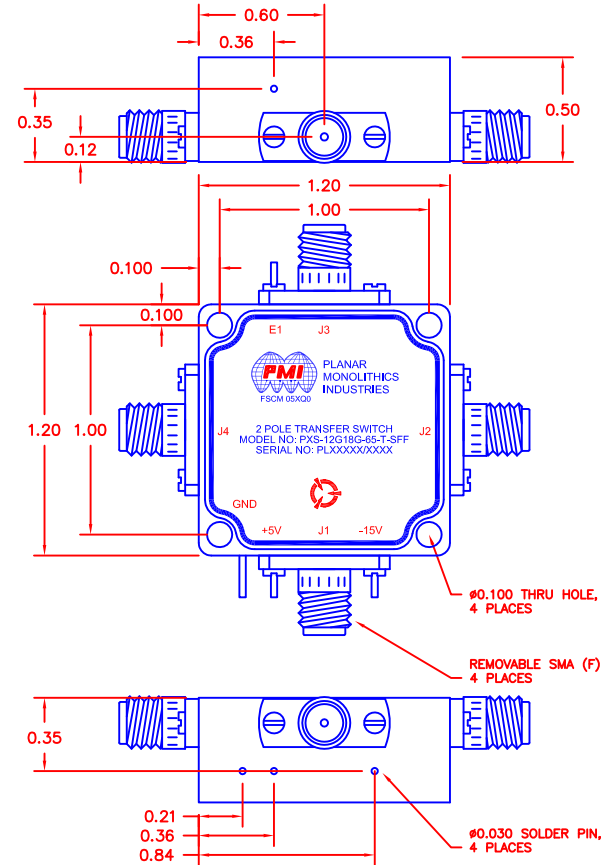
- TEMPERATURE: -55°C TO + 85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	11/23/15	
	A1	ECN # 16-0173	11/16/16	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			REV.
DRAWN <i>G.A.B.</i>		11/23/15	PRODUCT FEATURE			
CHECKED			PXS-12G18G-65-T-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27026941	A1
			SCALE	SHEET		
			N:S	1 OF 1		