

DESCRIPTION

PMI MODEL PXS-100M18G-65-T-SFF IS AN ABSORPTIVE, HIGH SPEED, TWO POLE TRANSFER SWITCH CAPABLE OF SWITCHING WITHIN 100 ns MAXIMUM. THE FREQUENCY RANGE IS 0.1 TO 18.0 GHZ. THIS SWITCH HAS > 65 dB ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 0.1 GHz TO 18.0 GHz
- IMPEDANCE: _____ 50 Ω
- INPUT POWER: _____ +27dBm (0.5 WATT) MAX
- INPUT VSWR: _____ 2.0:1 MAX
- INSERTION LOSS: _____ 3.1dB MAX
- ISOLATION: _____ 65dB MIN
- SWITCHING SPEED: _____ 100ns MAX
- DC VOLTAGE: _____ +5VDC (±0.5V)
_____ -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

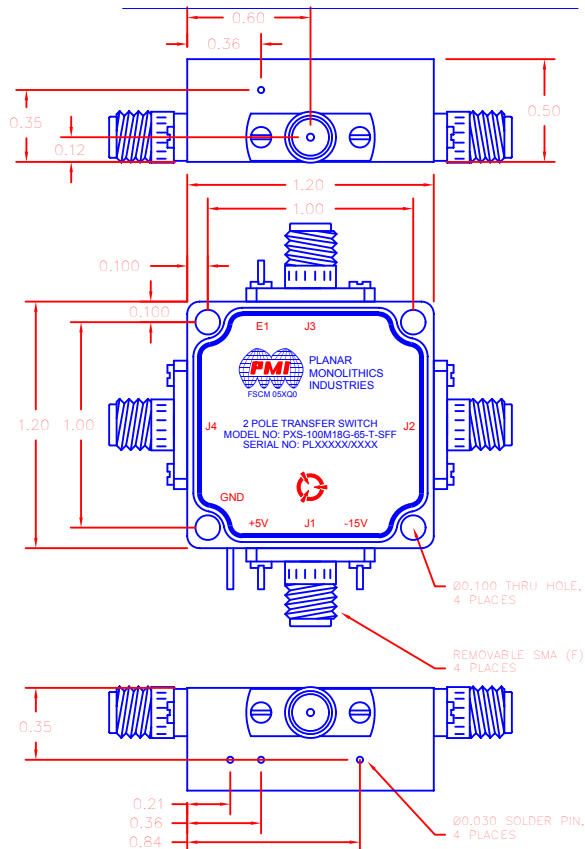
- TEMPERATURE: _____ -55°C TO + 85°C (OPERATING)
_____ -65°C TO +125°C (STORAGE)
- HUMIDITY: _____ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: _____ MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: _____ MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: _____ MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE 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
	A1	ORIGINAL RELEASE	8/17/18	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE	
DRAWN <i>G. Guillot</i>		8/17/18	PRODUCT FEATURE PXS-100M18G-65-T-SFF	
REDRAWN			SIZE A	FSCM NO. 05XQ0
ISSUED			DWG NO. 27035560	REV. A1
SCALE N:S			SHEET 1 OF 1	