

DESCRIPTION

PMI MODEL PXS-100M20G-80-T-SFF IS AN ABSORPTIVE, HIGH SPEED, TWO POLE TRANSFER SWITCH CAPABLE OF SWITCHING WITHIN 100 ns. THIS SWITCH COVERS THE 0.1 TO 20.0 GHz FREQUENCY RANGE WITH A MINIMUM OF 80 dB ISOLATION.

SPECIFICATIONS

FREQUENCY RANGE:	0.1 GHz TO 20.0 GHz
IMPEDANCE:	50 Ω
INPUT POWER:	+27dBm (0.5 WATT) MAX
INPUT VSWR:	2.0:1 MAX
INSERTION LOSS:	3.1dB MAX
ISOLATION:	80dB MIN
SWITCHING SPEED:	100ns MAX
DC VOLTAGE:	+5VDC -5VDC
CONTROL:	SOLDER PIN TTL LOGIC - SEE TABLE
CONNECTORS IN/OUT:	SMA (F)
FINISH:	BLUE PAINTED

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

ENVIRONMENTAL RATINGS

TEMPERATURE: _____ -55°C TO + 85°C (OPERATING)
 _____ -65°C TO +125°C (STORAGE)

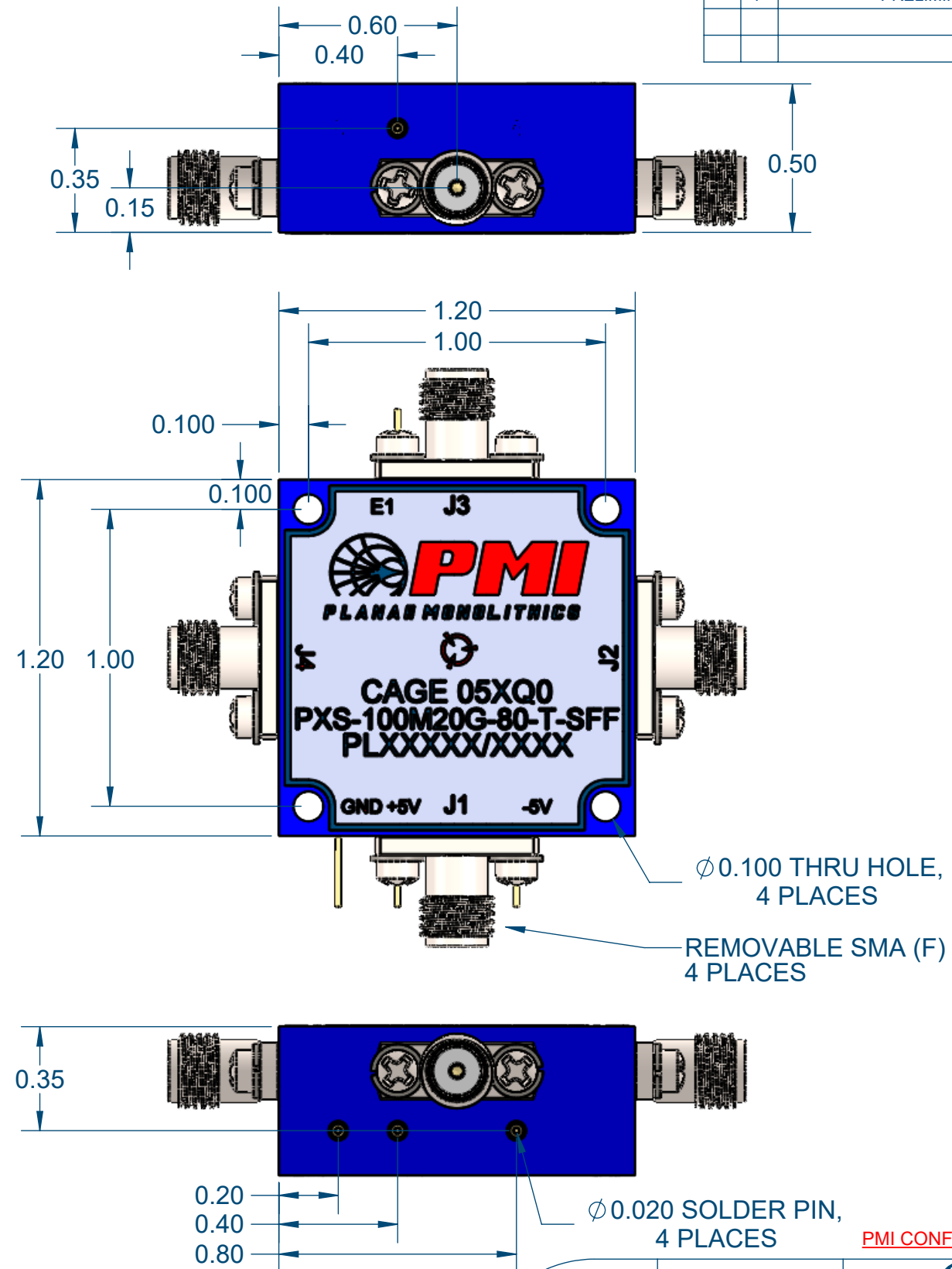
HUMIDITY: _____ MIL-STD-202, METHOD 103 COND. B

SHOCK: _____ MIL-STD-202, METHOD 213 COND. B

VIBRATION: _____ MIL-STD-202, METHOD 204 COND. B

ALTITUDE: _____ MIL-STD-202, METHOD 105 COND. B

TEMPERATURE CYCLE: _____ MIL-STD-202, METHOD 107 COND. A



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

PMI CONFIDENTIAL AND PROPRIETARY

			PMI PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5010, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED			
	APPROVALS	DATE	TITLE PRODUCT FEATURE PXS-100M20G-80-T-SFF			
	DRAWN A. SABADOS	8/3/2026				
	REDRAWN					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01	ISSUED		SIZE B	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1
			SCALE 2:1		SHEET 1 OF 1	