

DESCRIPTION

PMI MODEL: PSWN-218-2DR-STD-F9120AH-27-OPT5G8G-515V IS A REFLECTIVE SINGLE POLE TWO THROW PIN DIODE SWITCH. IT HAS VERY LOW INSERTION LOSS, HIGH ISOLATION, INTEGRAL TTL DRIVER AND HIGH SPEED WITHIN A 1.10" x 0.85" x 0.38" PACKAGE.

SPECIFICATIONS

- FREQUENCY: 5 GHz TO 8 GHz
- INSERTION LOSS: 3 dB MAXIMUM
- ISOLATION: 60 dB MINIMUM
- VSWR: 1.8:1 TYPICAL
2.0:1 MAXIMUM
- SWITCHING SPEED: 50 ns MAXIMUM
- POWER HANDLING: 1 WATT CW OR PEAK
75 WATTS PEAK
(1 μ s MAXIMUM PULSE WIDTH)
- CONTROL: LOGIC:
"0" = ON (LOW LOSS)
"1" = OFF (ISOLATION)
- POWER SUPPLY: +5V - 100mA MAX
-15V - 40 mA MAX
- SIZE: 1.10" (L) x 0.85" (W) x
0.38" (H)
- WEIGHT: 0.75 oz

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

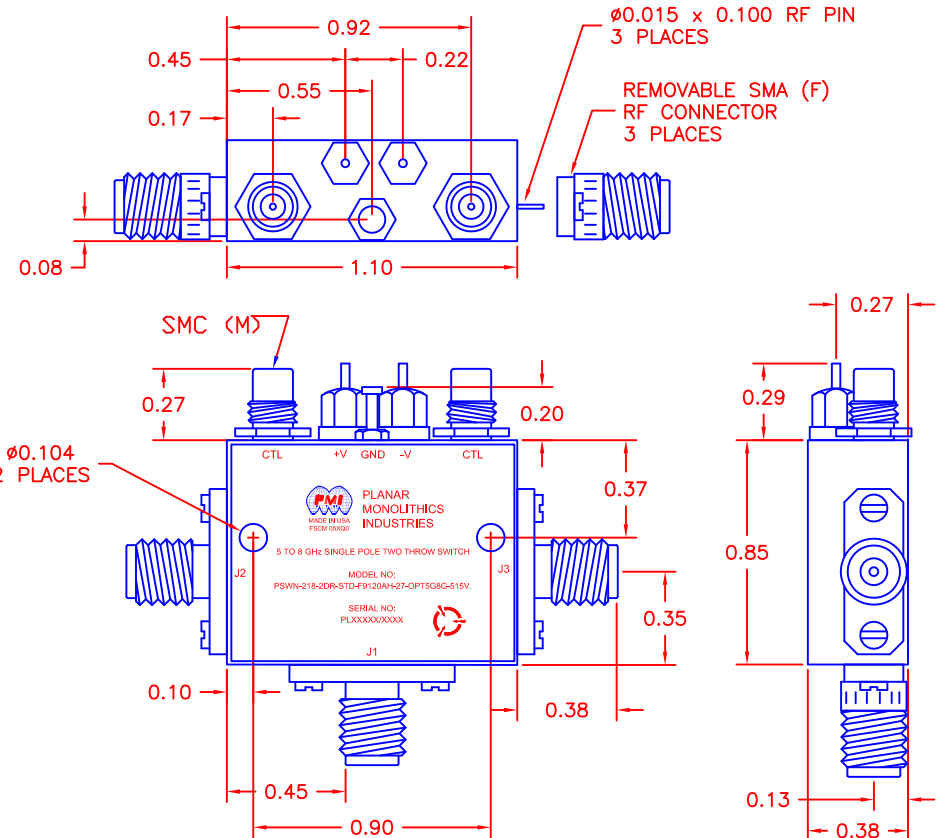
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE NOTE:
THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/9/22	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>AF</i>		10/9/22	PRODUCT FEATURE PSWN-218-2DR-STD-F9120AH-27-OPT5G8G-515V			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N:S		SHEET 1 OF 1	