

PMI MODEL: PST-2G18G-60-T-55-SFF IS A 2GHz TO 18GHz 1 WAY ABSORPTIVE PIN SWITCH THAT HAS AN INSERTION LOSS OF 2dB MAX. THIS UNIT HAS 60dB OF ISOLATION MIN, VSWR OF 2:1 AND SWITCHING SPEED OF 50ns.

- FREQUENCY: ----- 2GHz To 18GHz
- INSERTION LOSS: ----- 2dB MAX
- ISOLATION: ----- 60dB MIN
- VSWR: ----- 2:1 MAX
- SWITCHING SPEED: ----- 50ns
- SUPPLY: ----- +5V 65mA
-5V 65mA
- 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.

LOGIC CONTROL TTL	
TTL	J1-J2
TTL HI	INSERTION LOSS
TTL LOW	ISOLATION

- **TEMPERATURE:** ----- -54 °C TO +95 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- **HUMIDITY:** ----- MIL-STD-202, METHOD 103B COND. B
Maintain RH 95±4% @ 63 °C (exceptively allowed
RF 85% when temperature-down transition time.)
The rate of temperature change : Above
8 °C/hours
Time : Min.10 period (1period = 24
hours),Min.1time test every 5 period
- **SHOCK:** ----- MIL-STD-202, METHOD 213, COND J
20G (DURING OPERATION) & 125g, 6 ms saw
tooth type, 3-AXIS (No operation)
- **VIBRATION:** ----- MIL-STD-202, METHOD 214, COND A
12G 30 MIN, X,Y,Z-AXIS(DURING OPERATION)
& 20G 30min, X, Y, Z-AXIS (During operation)
- **ALTITUDE:** ----- MIL-STD-202, METHOD 105C, COND B
200Km (8.47e-7 hPa or 6.353e-7 torr/DURING
OPERATION)
- **TEMPERATURE CYCLE:** ----- MIL-STD-202, 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 (mm)
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	06/29/2016	

MECHANICAL OUTLINE

SMA FEMALE
4 PLACES

0.190

0.250

0.045

0.045

0.170

J2

J1

-5V GND TTL +5V

0.690

Ø0.070 THRU
6 PLACES

0.125

SPACER SUPPLIED
WITH CONNECTOR
VERSION

0.530

0.265

0.110

0.220

0.125

0.100

Ø0.025 SOLDERABLE PIN
4 PLACES

0.195

0.100

0.100

IDE

ND, B

tively allowed

ransition time.)

bove



		TITLE PRODUCT FEATURE 2GHz TO 18GHz 1WAY SWITCH PST-2G18G-60-T-55-SFF			
APPROVALS	DATE				
DRAWN <i>EJR</i>	<i>06/28/2018</i>				
CHECKED					
ISSUED		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV -
		SCALE N:S		SHEET 1 OF 1	