

DESCRIPTION

PMI MODEL P21-0R75G18G-80-R-512-SFF IS A REFLECTIVE, SINGLE POLE, TWO THROW SWITCH THAT OPERATES OVER THE 0.75 GHZ TO 18 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

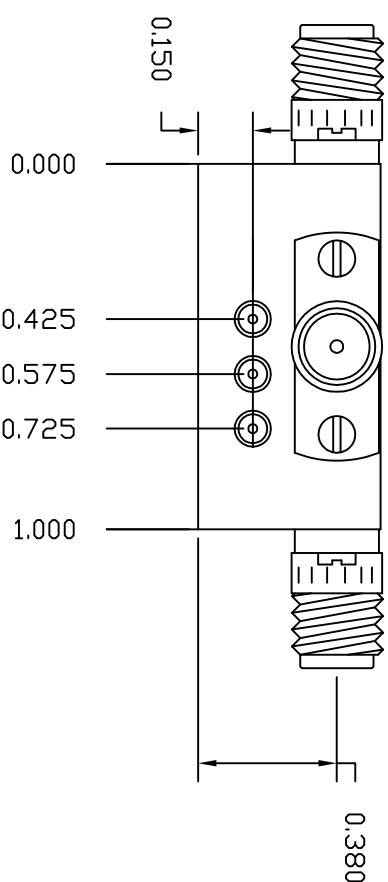
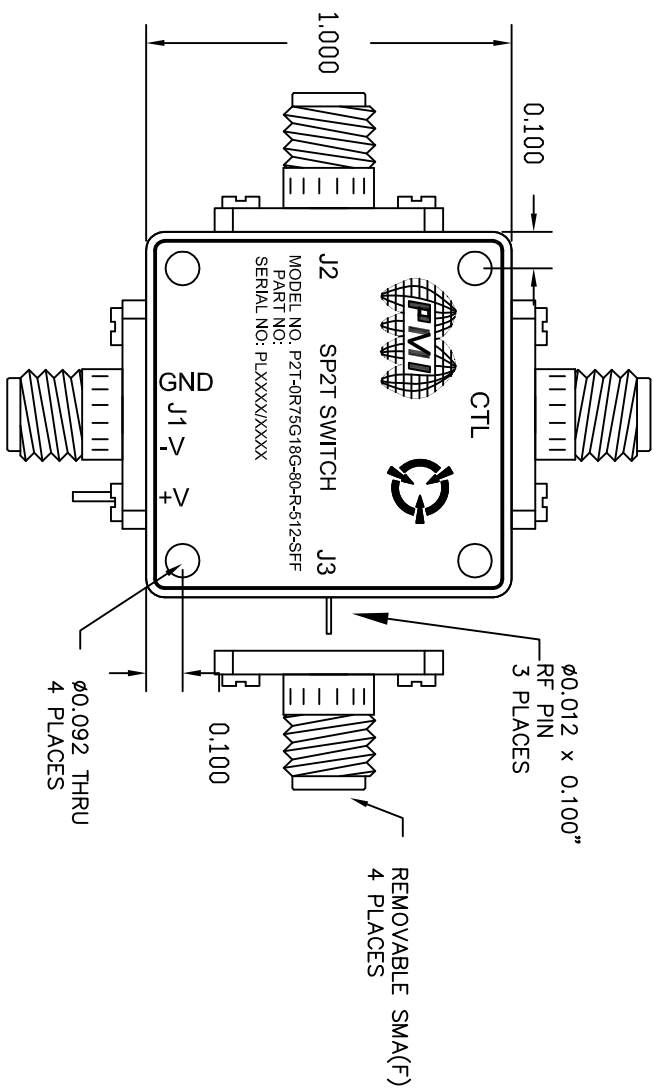
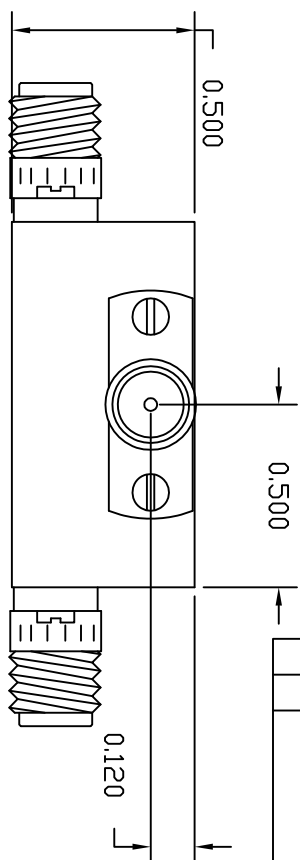
- FREQUENCY RANGE:..... 0.75 GHz TO 18 GHz
- ISOLATION:..... 80 dB MIN
- INSERTION LOSS: 3.0 dB TYP
- VSWR IN / OUT: 2.0 : 1
- INPUT POWER:..... +30 dBm CW MAX
- RF SWITCHING SPEED: 25 ns MAX
- DC VOLTAGE:.....+5 V
 -12 V
- CONTROL SIGNAL:.....TTL LOGIC
 SEE LOGIC TABLE
- CONNECTORS IN/OUT: SMA FEMALE CONNECTORS
- CONTROL CONNECTORS: SMA FEMALE CONNECTOR
- FINISH: GOLD PLATED

ENVIRONMENTAL RATINGS

- | | | |
|----------------------|---|---------|
| • TEMPERATURE: | –40°C TO +85°C (OPERATING)
–55°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 |
| • SALT FOG: | MIL–STD–202F, METHOD 107D | COND. A |
| • FUNGUS: | MIL–STD–810C, METHOD 508.2 | |
| • TEMPERATURE CYCLE: | MIL–STD–202F, METHOD 107 | |

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	3/4/11	



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .005 ± .010 ±		PART NO.	
MATERIAL:	APPROVALS	DATE	
	DRAWN 2/2/11	2/28/11	
FINISH:	CHECKED		
	ISSUED		
DO NOT SCALE DRAWING			
NEXT ASSY	USED ON		
APPLICATION			

		PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
TITLE OUTLINE DRAWING			
P21-0R75G18G-80-R-512-SFF			
SIZE	FPM NO.	DWG NO.	REV.
B		27014321	A
SCALE	N/S	SHEET	1 OF 1