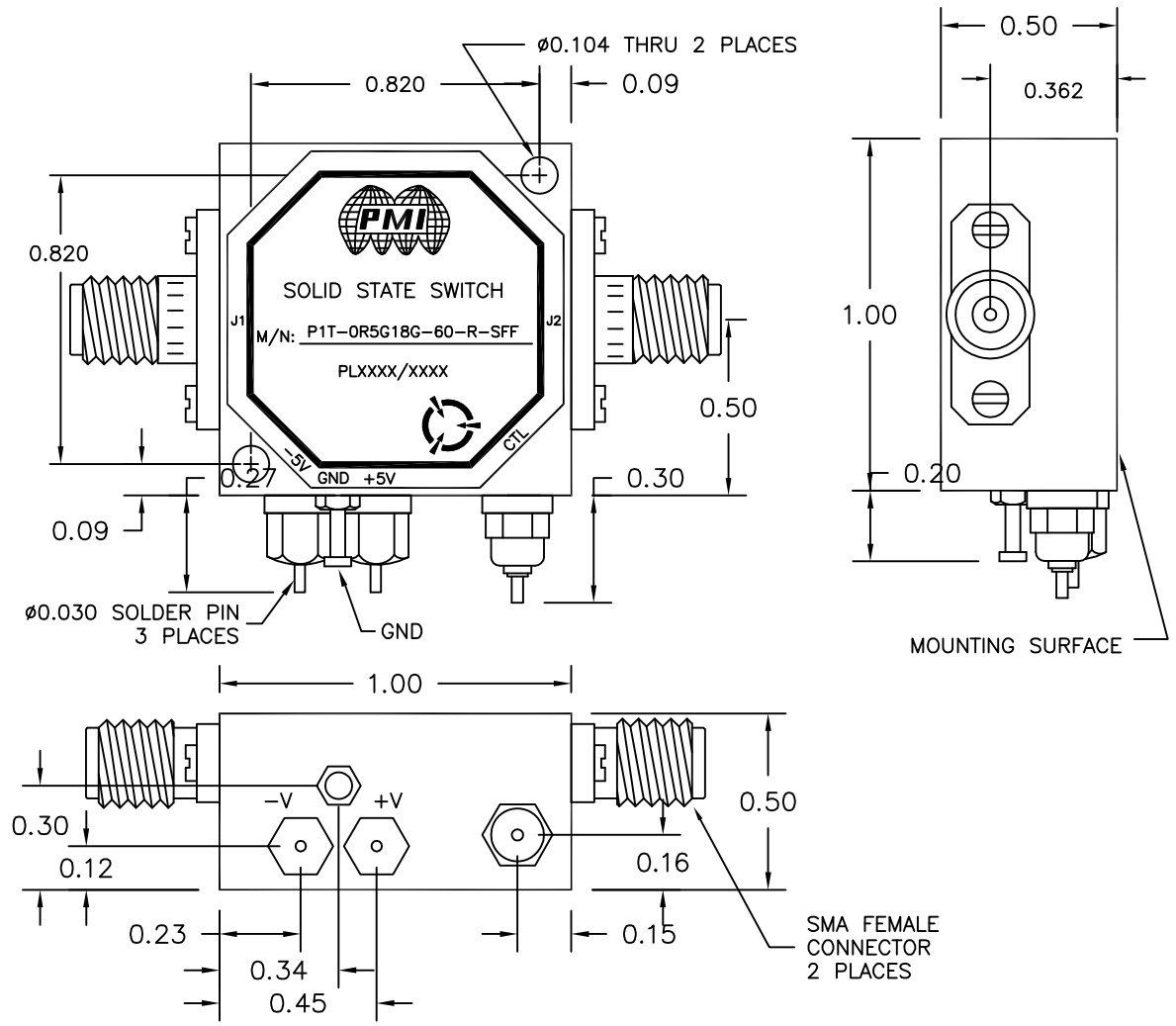
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	4/4/12	

DESCRIPTION:

PMI MODEL P1T–0R5G18G–60–R–SFF IS A SINGLE POLE SINGLE THROW, REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION, HIGH SPEED AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 0.5 GHz TO 18 GHz OPERATION.

SPECIFICATIONS:

- FREQUENCY: 0.5 GHz TO 18 GHz
- INSERTION LOSS: 2.5dB Max.
- ISOLATION: 0.5 GHz TO 2 GHz: 60db
  2 GHz TO 18 GHz: 70db
- VSWR: IN/OUT: 2.0:1
- SPEED: RISE: 10ns TYPICAL, 15ns MAX.
  FALL: 10ns TYPICAL, 15ns MAX.
  DELAY ON: 75ns TYPICAL, 100ns MAX.
  DELAY OFF: 75ns TYPICAL, 100ns MAX.
- POWER INPUT: (CW)+20dBm (STANDARD), +10 dBm (HIGH SPEED)
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: TTL LOGIC "0"=ON "1"=OFF
- POWER SUPPLY: +5V @ 70 mA MAX.
  –5V @ 50 mA MAX.



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: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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ISO 9001:2000 CERTIFIED

APPROVALS	DATE
DRAWN KM	4/4/12
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
P1T–0R5G18G–60–R–SFF
0.5 TO 18.0 GHz HIGH SPEED SWITCH SINGLE THROW

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	—

SCALE N:S SHEET 1 OF 1