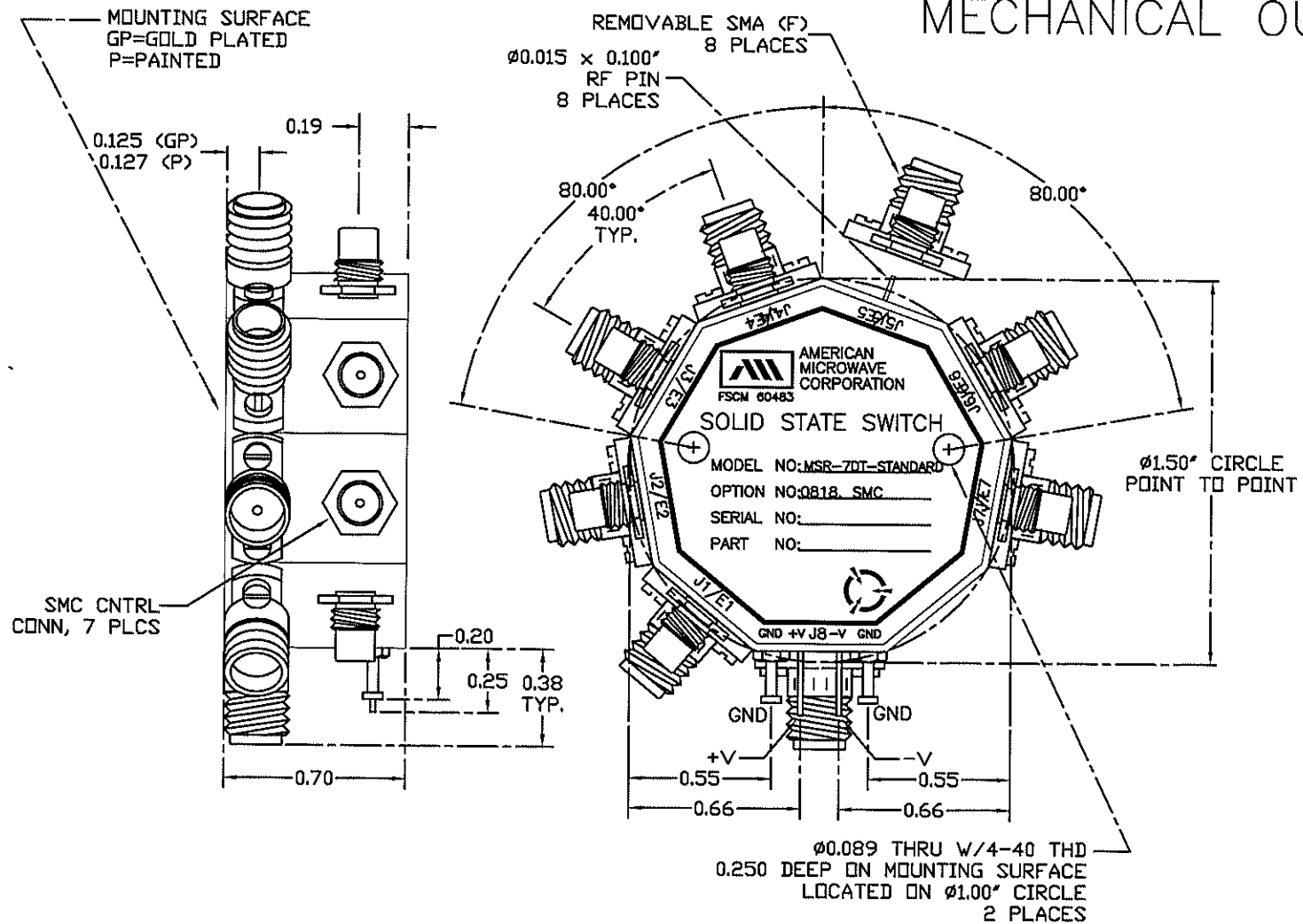


DESCRIPTION:

AMC MODEL MSR-7DT-STANDARD OPTION 0818 & SMC IS A SINGLE POLE SEVEN THROW SWITCH WITH SMA CONNECTORS AND SMC CONTROL CONNECTORS. IT HAS A FREQUENCY RANGE OF 0.8 TO 18GHz, 4.25dB MAXIMUM INSERTION LOSS, AND 70dB ISOLATION MINIMUM @ 18GHz.

MECHANICAL OUTLINE




ALL DIMENSIONS ARE IN INCHES

TOLERANCES:

X.XX ±0.020

X.XXX ±0.010

 AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND			
TITLE PRODUCT FEATURE MSR-7DT-07-STANDARD OPTION 0818, SMC NON-REFLECTIVE/ABSORPTIVE SOLID STATE SWITCH			
SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-4196-3	-
SCALE N/S			SHEET 2 OF 3

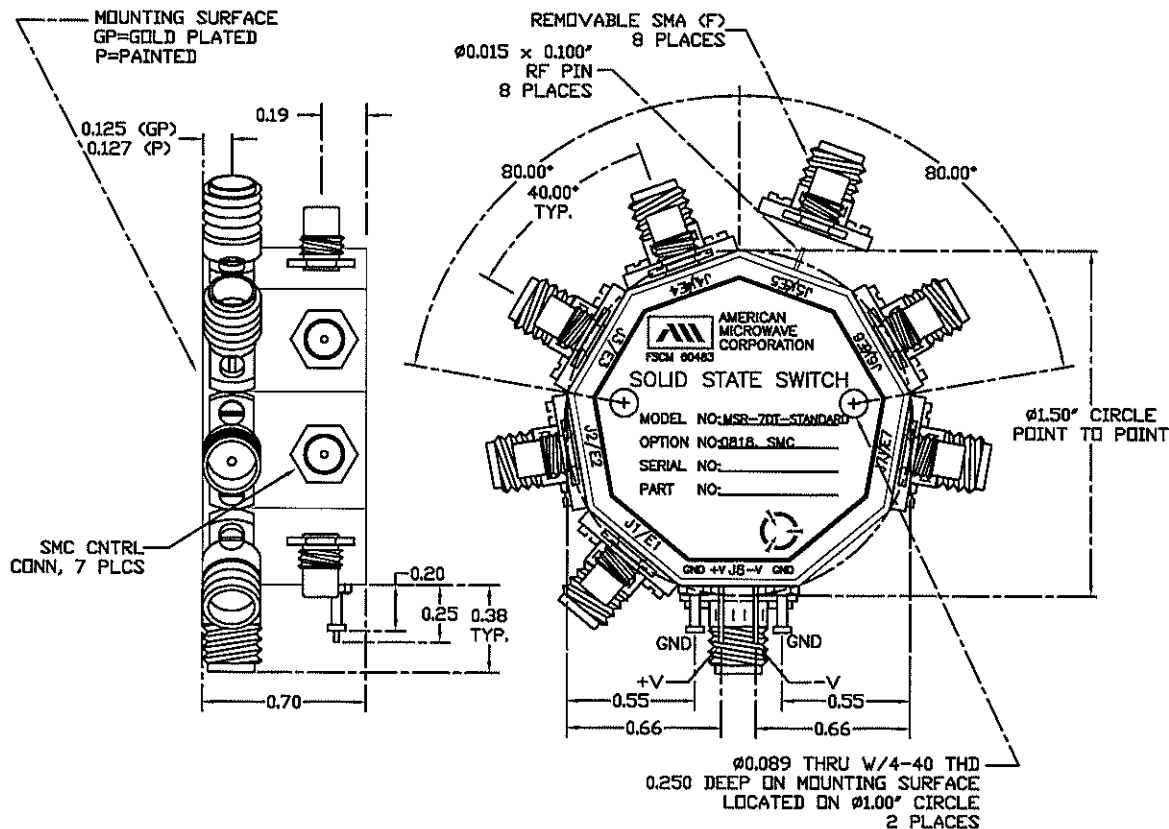
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AMC MODEL MSR-7DT-STANDARD OPTION 0818 & SMC IS A SINGLE POLE SEVEN THROW SWITCH WITH SMA CONNECTORS AND SMC CONTROL CONNECTORS. IT HAS A FREQUENCY RANGE OF 0.8 TO 18GHz, 4.25dB MAXIMUM INSERTION LOSS, AND 70dB ISOLATION MINIMUM @ 18GHz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL RELEASE	10/08/07	<i>[Signature]</i>

SPECIFICATIONS:

- FREQUENCY: 0.8 GHz TO 18 GHz
- INSERTION LOSS: 4.25dB MAX.
- ISOLATION: 0.8 GHz TO 2 GHz: 60dB MIN.
2 GHz TO 18 GHz: 70dB MIN.
- VSWR: IN/OUT: 2.0:1
OUT/OFF: 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 @ 350 mA MAX.
-5V @ 100mA MAX.



NOTE:
DR=WITH DRIVER, REFLECTIVE
DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:

X.XX ±0.020
X.XXX ±0.010

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
<i>[Signature]</i>	10-8-07	PRODUCT FEATURE MSR-7DT-07-STANDARD OPTION 0818, SMC NON-REFLECTIVE/ABSORPTIVE SOLID STATE SWITCH	
CHECKED	<i>[Signature]</i>	SIZE	REV.
	10/10/07	A 60483	-
ISSUED		DWG NO.	
		100-4196-3	
		SCALE N/S	SHEET 1 OF 3