

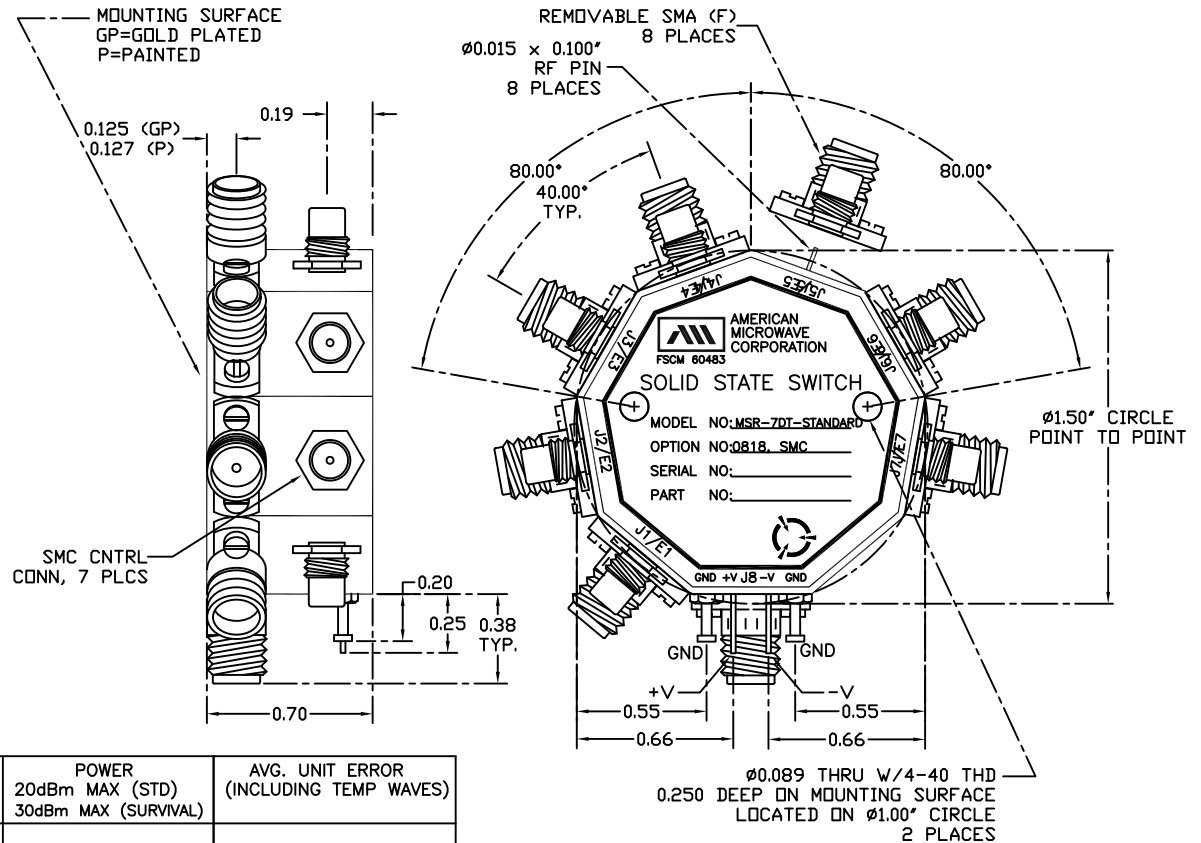
DESCRIPTION:

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, 4.3dB MAXIMUM INSERTION LOSS, AND 60dB ISOLATION MINIMUM @ 18GHz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL RELEASE	10/08/07	
A	-	SEE ECR# 10-058	12/29/10	RA
B	-	SEE ECR# 11-001	1/10/11	RA
C	-	SEE ECR# 11-001	1/10/11	RA

SPECIFICATIONS:

- FREQUENCY: 0.8 GHz TO 18 GHz
- INSERTION LOSS: 4.3dB MAX.
- ISOLATION: 0.8 GHz TO 18 GHz: 60dB MIN.
- VSWR: IN/OUT: 2.0:1
OUT/OFF: 2.0:1
- SPEED: RISE: 15ns MAX.
FALL: 15ns MAX.
DELAY ON: 75ns MAX.
DELAY OFF: 75ns MAX.
- POWER INPUT: (CW)+20dBm (STANDARD)
- 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.



SPECIFICATIONS REQUIRED	INSERTION LOSS 4.3dB MAX	VSWR (2:1/9.54dB) MAX	ISOLATION 60dB MAX	SWITCHING SPEED 75nS MAX	POWER 20dBm MAX (STD) 30dBm MAX (SURVIVAL)	AVG. UNIT ERROR (INCLUDING TEMP WAVES)
PERFORMANCE VARIATION/ INCONSISTENCY*	±0.5dB	±1dB	±5dB	±5nSEC	COMPLIANT	≤ 0.75dB

* CONSISTENCY/STABILITY FOR EACH DEVICE

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

* Units are designed to meet Environmental ratings but not tested. If Environmental Testing is required, please contact Sales Department.

NOTE:

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

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