

DESCRIPTION:

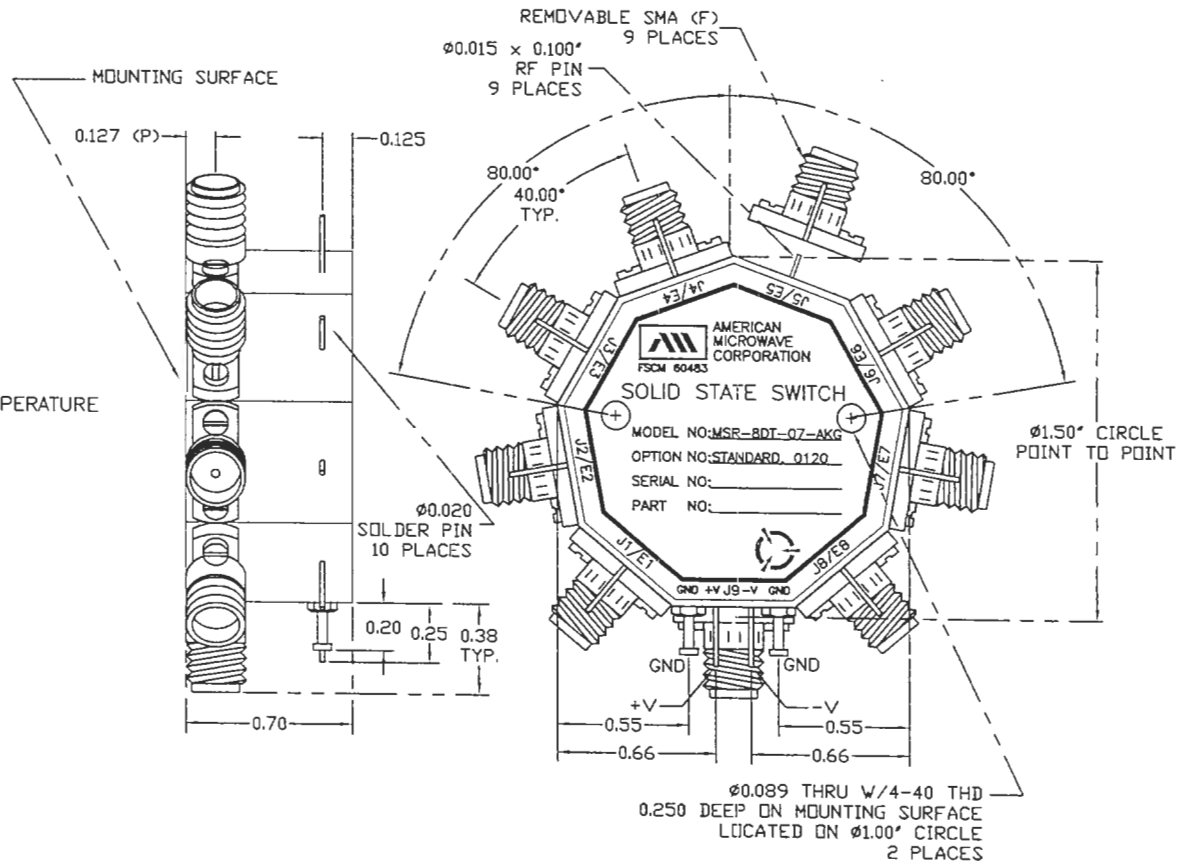
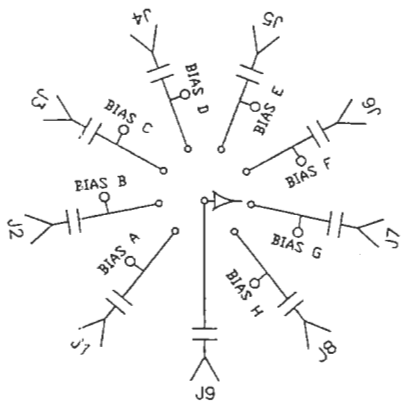
AMC MODEL MSR-8DT-07-AGK-STANDARD OPTION: 0120 IS A SINGLE POLE EIGHT THROW, ABSORPTIVE/NON-REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS, VERY HIGH ISOLATION AND WITH INTEGRAL TTL DRIVER DESIGNED FOR 0.1 GHz TO 20 GHz OPERATION.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL JOB# 011246E	01/18/01	

SPECIFICATIONS:

- FREQUENCY:.....0.1 GHz TO 20 GHz
- INSERTION LOSS:.....6 dB MAXIMUM
- ISOLATION:.....110 dB MINIMUM
- VSWR:..... ABSORPTIVE IN/OUT: 2.0:1 MAXIMUM
 ABSORPTIVE OUT/OFF: 2.0:1 MAXIMUM
- SPEED:..... RISE: 300ns TYPICAL
 FALL: 300ns TYPICAL
- RF POWER:.....+30dBm (1 WATT)
- CONTROL:.....TTL LOGIC "0"=ON "1"=OFF
- POWER SUPPLY:.....+5V @ 500 mA MAXIMUM
 -12V @ 100 mA MAXIMUM
- RF PHASE TRACKING:.....0.2 DEGREES PER DEGREE C
 ALL PORTS WITH RESPECT TO COMMON WITH TEMPERATURE
- SIZE:.....Ø1.500 CIRCLE POINT TO POINT X 0.400 (H)
- WEIGHT:.....2.5 OUNCES TYPICAL

BLOCK DIAGRAM



ENVIRONMENTAL RATINGS:

- TEMPERATURE:.....0°C TO +55°C (OPERATING)
 -65°C TO +125°C (STORAGE)
- HUMIDITY:.....MIL-STD-202F, METHOD 103B CONDITION B
- SHOCK:.....MIL-STD-202F, METHOD 213B CONDITION B
- VIBRATION:.....MIL-STD-202F, METHOD 204D CONDITION B
- ALTITUDE:.....MIL-STD-202F, METHOD 105C CONDITION B
- TEMPERATURE CYCLE:.....MIL-STD-202F, METHOD 107D CONDITION A

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

ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:

- X.XX ±0.020
- X.XXX ±0.010

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
WJCS	01/18/01	PRODUCT FEATURE	
REDRAWN	8/17/04	MSR-8DT-07-AGK-STANDARD	
ISSUED	9/15/04	OPTION: 0120	
		0.1 TO 20 GHz SINGLE POLE EIGHT THROW SWITCH	
SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-5910	-
SCALE 1.25:1		SHEET 1 of 3	