

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE, JOB # 10465-2	11/22/92	<i>[Signature]</i>

DESCRIPTION

AMC MODEL SW-0204-6DT IS AN ABSORPTIVE SP6T SWITCH MODULE WITH INTEGRAL TTL DRIVER, DESIGNED FOR LOW NOISE, LOW LOSS, LOW VSWR, AND HIGH ISOLATION SWITCHING APPLICATIONS.

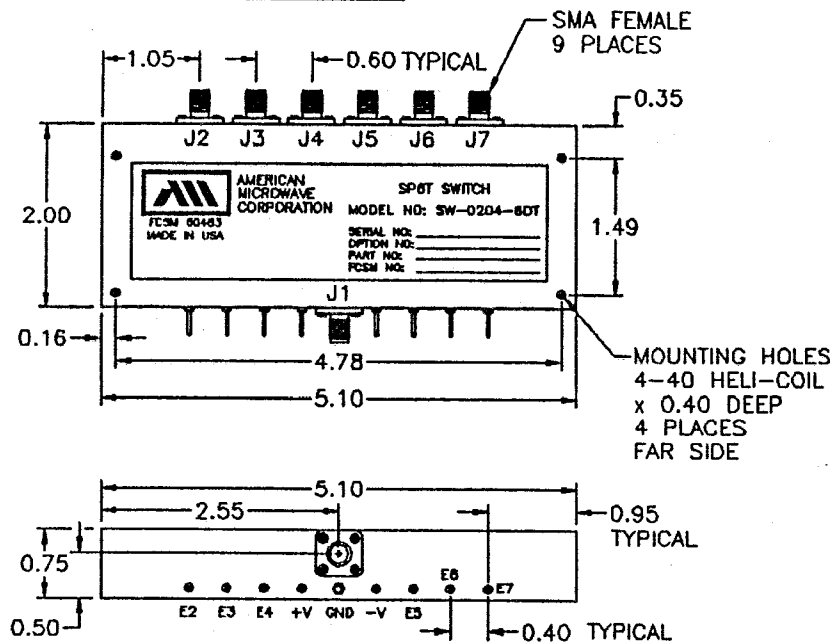
SPECIFICATIONS

- FREQUENCY RANGE 0.2-0.4 GHz MINIMUM
- INSERTION LOSS 1.0 dB MAXIMUM
- ISOLATION 80 dB MINIMUM
- VSWR (ON/OFF) 1.25:1 MAXIMUM
- RF POWER RATINGS +27 dBm CW MAXIMUM
- SWITCHING TIME
 - RISE (10% RF TO 90% RF) 30 ns MAXIMUM
 - FALL (90% RF TO 10% RF) 30 ns MAXIMUM
 - ON (50% TTL TO 90% RF) 100 ns MAXIMUM
 - OFF (50% TTL TO 10% RF) 100 ns MAXIMUM
- CONTROLS TTL COMPATIBLE, UNITY LOAD
6 INDIVIDUAL CONTROLS
LOGIC "0" = ISOLATION
LOGIC "1" = INSERTION LOSS
(SEE TRUTH TABLE ON SHEET 2 OF 2)
- POWER SUPPLY +5VDC ±5% @ 200 mA MAXIMUM
-15VDC ±5% @ 80 mA MAXIMUM
- CONNECTORS
 - RF INPUT/OUTPUT SMA (FEMALE)
 - POWER SOLDER PIN
 - CONTROL SOLDER PIN
- SIZE 5.10" x 2.00" x 0.75"

AVAILABLE OPTIONS

- A01 50Ω CONTROL IMPEDANCE
- A02 100Ω CONTROL IMPEDANCE
- A03 INVERSE CONTROL LOGIC (LOGIC "0" INSERTION LOSS)
- A13 +15 VDC SUPPLY
- A14 SMA MALE CONNECTORS
- A15 CANNON MULTIPIN MDM9SSP
- A16 3 BIT BINARY TTL CONTROL LOGIC

MECHANICAL OUTLINE



- NOTES:
- 1) DIMENSIONS ARE IN INCHES
 - 2) TOLERANCES: X.XX ±0.020
X.XXX ±0.010
 - 3) WEIGHT: APPROX. 12 OZ

ENVIRONMENTAL RATINGS

- TEMPERATURE -55°C TO +95°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

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APPROVALS	DATE	PRODUCT FEATURE	
DESIGN <i>[Signature]</i>	11/22/92	SW-0204-6DT	
DRAWN <i>[Signature]</i>	11/22/92	0.2-0.4 GHz, NON-REFLECTIVE SP6T SWITCH MODULE	
SIZE A	SHEET 1 OF 2	DWG. # 100-2888	