

DESCRIPTION:

AMC MODEL SKL-35-2DT-AA908 IS A SINGLE POLE TWO THROW, ABSORPTIVE/NON-REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION, WITH INTEGRAL TTL DRIVER DESIGNED TO OPERATE OVER THE 3.1 GHz TO 4.3 GHz BANDWIDTH.

SPECIFICATIONS:

- FREQUENCY: 3.1 GHz TO 4.3 GHz
- RF PORTS IMPEDANCE: 50 OHMS
- VSWR: ≤ 1.8:1
- INSERTION LOSS: ≤ 2.0 dB
- ISOLATION (RF PORTS): ≥ 90 dB
- SWITCHING TIME:
 - 10% TO 90% RF ≤ 100 nsec
 - 90% TO 10% RF ≤ 100 nsec
- BIAS SUPPLY: +5 VDC @ 150 mA MAXIMUM
 -15 VDC @ 150 mA MAXIMUM
- TTL LOGIC:
 - "1" A) HIGH 2.4 VDC TO 5 VDC PORT ON
 - "0" B) LOW 0 TO 0.8 VDC PORT OFF
- BIAS SUPPLY INDICATOR: SEE TABLE 1
- RF POWER CAPABILITY: 0.5 WATT MAXIMUM
- ELECTRICAL INTERFACE: SINGLE ENDED TTL LOGIC
- CONNECTORS (RF): SMA FEMALE
- CONNECTORS (LOGIC): SOLDER PINS
- MATERIAL:
 - CONNECTORS STAINLESS STEEL
 - BODY ALUMINUM
- FINISH:
 - CONNECTORS PASSIVATED
 - BODY SILVER PLATED
- PAINTING: BLACK EPOXY PAINTED AND CLEAR COATED WITH DEXTER HYSOL
- WEIGHT: ≤ 150 GRAMS
- SIZE: 1.10 (L) X 0.85 (W) X 0.38 (H)

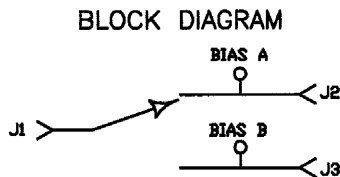
ENVIRONMENTAL RATINGS:

- TEMPERATURE:
 - OPERATING -32°C TO +68°C (OPERATING)
 - STORAGE -40°C TO +68°C (STORAGE)
- HUMIDITY INCLUDING CONDENSATION:
 - OPERATING UP TO 95% RH FROM 0 TO 50°C
 - STORAGE UP TO 100% RH
- ALTITUDE:
 - OPERATING UP TO 4570 m
 - STORAGE UP TO 12190 m
- SHOCK: 30 G (11 ms, HALF SINE PULSE, 3 AXES, 2 DIRECTIONS) (NOT OPERATING)
- VIBRATION: 2 TO 200 Hz (3.5 G, SINUSOIDAL, 3 AXES) (NOT OPERATING)
- SALT FOG: UP TO 5% NaCl (FOR 48 HOURS) AT 35°C (OPERATING)
- ACCELERATION: 5 G'S, 3 AXES (NOT OPERATING)
- FUNGUS: ACCORDING TO MIL-STD-810C, METHOD 508.2

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

TABLE 1

TTL LOGIC	PINS		OUTPUT PORTS
	E2	E3	
LEVEL 1	1	0	J1/J2
LEVEL 0	0	1	J1/J3

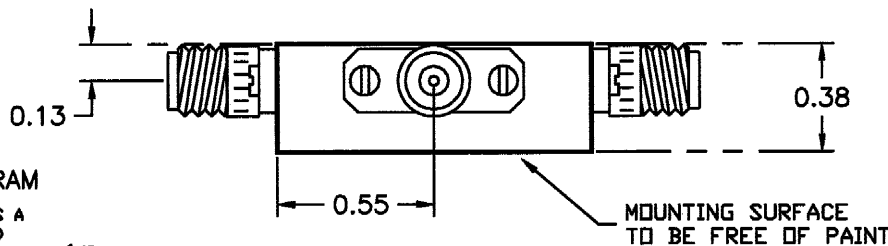
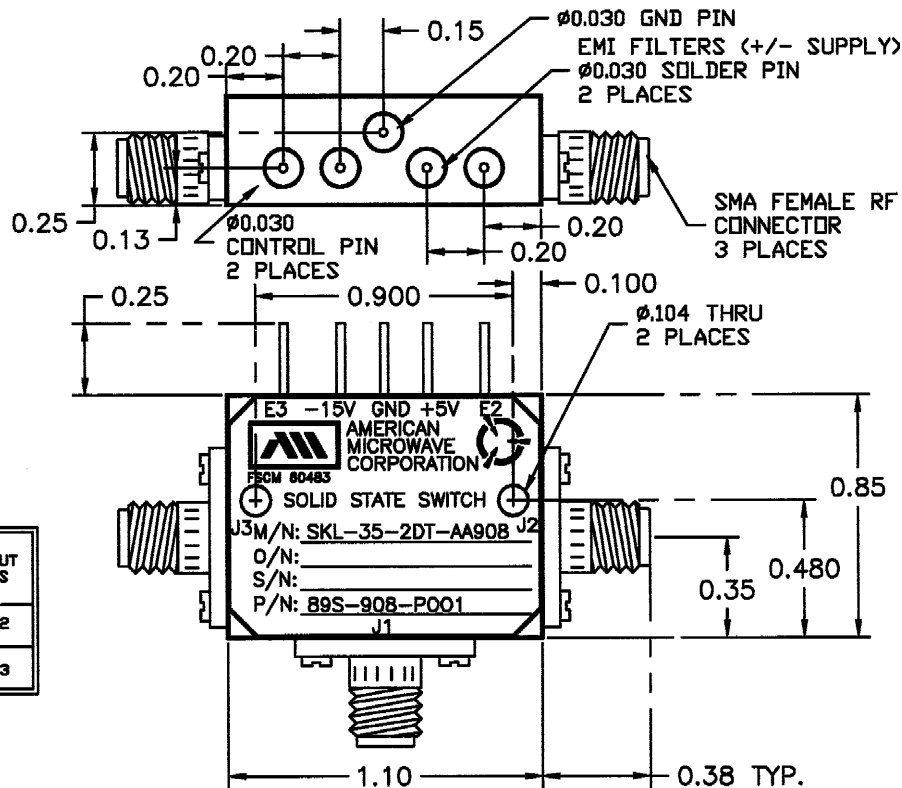


M/N = MODEL NUMBER
 O/N = OPTION NUMBER
 S/N = SERIAL NUMBER
 P/N = PART NUMBER

ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:

X.XX ±0.020
 X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL RELEASE	9/28/99	



PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN <i>WSP</i>	9/28/99	PRODUCT FEATURE SKL-35-2DT-AA908 SOLID STATE SWITCH	
CHECKED		SIZE	PFCM NO.
ISSUED		A	60483
		DWG NO.	100-5085
		SCALE	N/S
		SHEET	1 of 3