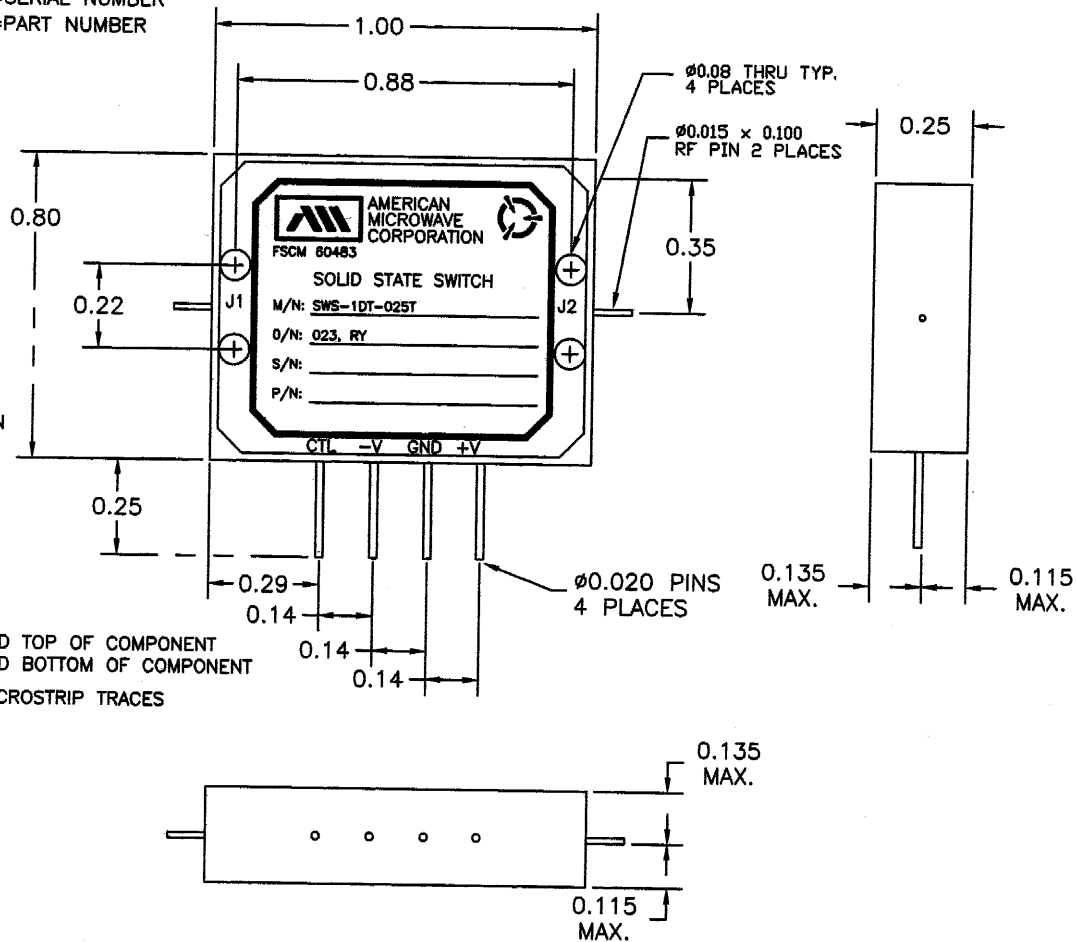


SPECIFICATIONS:

- FREQUENCY: 270 MHz TO 3000 MHz
- INSERTION LOSS:
 - 270 MHz TO 500 MHz: 0.8 dB MAXIMUM (0.6 dB GOAL)
 - 500 MHz TO 1000 MHz: 1.2 dB MAXIMUM (1.0 dB GOAL)
 - 1000 MHz TO 1500 MHz: 1.5 dB MAXIMUM (1.2 dB GOAL)
 - 1500 MHz TO 3000 MHz: 2.0 dB MAXIMUM (1.5 dB GOAL)
- ISOLATION: 65dB MINIMUM
- RETURN LOSS: 1.5:1 MAXIMUM (15dB GOAL) INSERTION LOSS OR ISOLATION STATE. FOR INPUT SIGNALS ≤ 0 dBm
- OUTPUT 2 TONE 2nd: ORDER INTERCEPT POINT -60 dBm MINIMUM (INPUT SIGNAL ≤ -5 dBm)
- OUTPUT 2 TONE 3rd: ORDER INTERCEPT POINT -30 dBm MINIMUM (INPUT SIGNAL ≤ -5 dBm)
- INPUT 0.1dB COMPRESSION: POWER: -0 dBm MINIMUM
- LIMITING: 1 WATT CW INPUT POWER (NO DAMAGE) +15 dBm MAXIMUM LEAKAGE OUTPUT POWER (SWITCH MAY BE REFLECTIVE WHEN LIMITING)
- SWITCHING SPEED: 300ns MAXIMUM
- CONTROL: 1 LINE TTL LOGIC "1"=INSERTION LOSS, "0"=ISOLATION
- POWER SUPPLY: +5 VDC AVAILABLE
 -5.2 VDC
 +15 VDC
 -15 VDC
- OPERATING TEMPERATURE: -20°C TO +75°C
- STORAGE TEMPERATURE: -40°C TO +85°C
- SIZE: 0.8" W x 1.0" L x 0.25"H (WITHOUT SIGNAL PINS)
 0.135" MAXIMUM BETWEEN BOTTOM OF SIGNAL PINS AND TOP OF COMPONENT
 0.115" MAXIMUM BETWEEN BOTTOM OF SIGNAL PINS AND BOTTOM OF COMPONENT
- CONNECTIONS: RF, POWER, AND CONTROL PINS FOR SOLDERING TO MICROSTRIP TRACES

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

ZONE		REV.	DESCRIPTION	DATE	APPROVED
			ORIGINAL RELEASE	5/11/98	



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.		APPROVALS		DATE	TITLE	
		DRAWN		5/11/98	OUTLINE DRAWING	
		CHECKED			SWS-1DT-025T OPTION 025, RY	
		ISSUED			NON-REFLECTIVE/ABSORPTIVE	
					SOLID STATE SWITCH	
SIZE	FSCM NO.	DWG NO.	REV.			
A	60483	100-4410				
SCALE			SHEET 1 of 1			



AMERICAN MICROWAVE CORPORATION
 FREDERICK, MARYLAND