

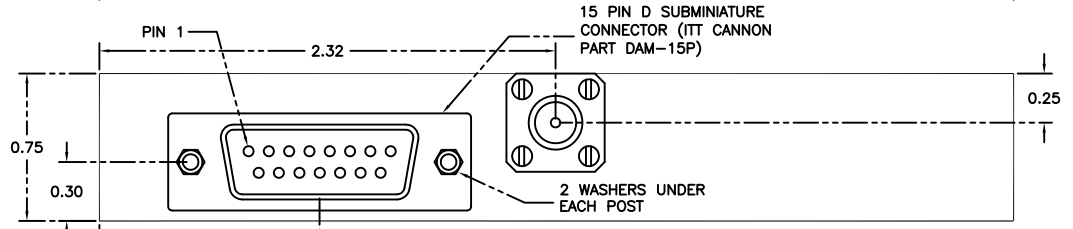
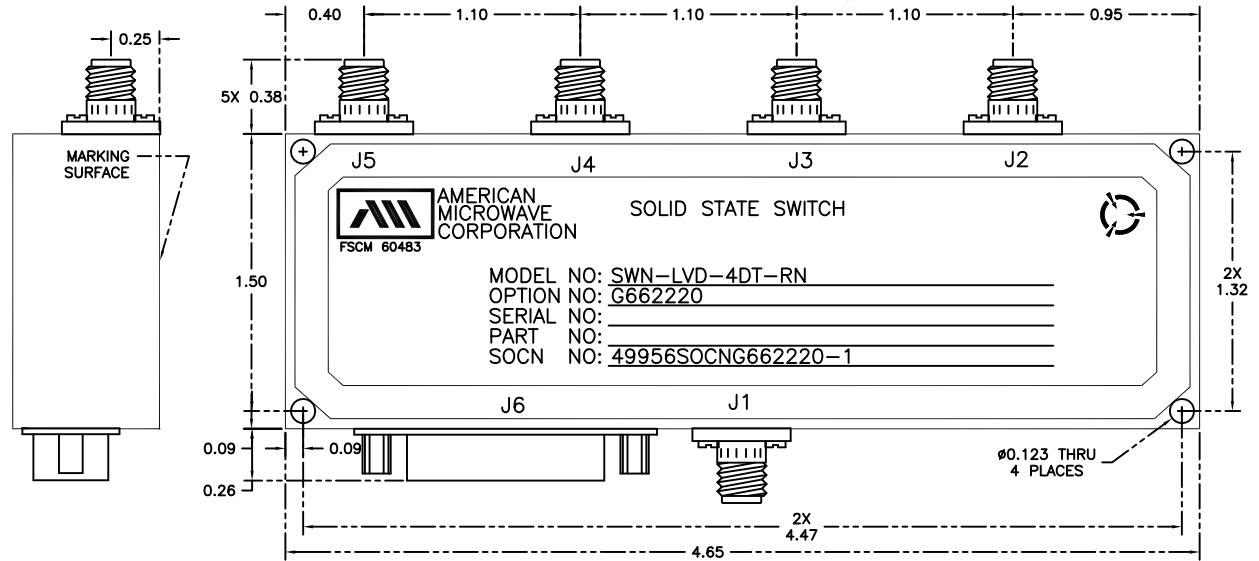
DESCRIPTION:

AMC MODEL SWN-LVD-4DT-RN, OPTION G662220 IS A SINGLE POLE FOUR THROW, NON-REFLECTIVE / ABSORPTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION, LOW VIDEO TRANSIENTS AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR NARROW BAND OPERATIONS.

SPECIFICATIONS:

- FREQUENCY: 115 MHz TO 125 MHz
- INSERTION LOSS: 1.2dB MAXIMUM
- ISOLATION: 100db MINIMUM (BETWEEN ALL PORTS)
- VSWR: ALL PORTS: 1.5:1 MAXIMUM
LOAD: 1.3:1 MAXIMUM
- SPEED:
(50% TTL TO 90% RF) 500 nS MAXIMUM
(50% TTL TO 10% RF) 500 nS MAXIMUM
(50% TTL TO 0% RF) 2.5 uS MAXIMUM
- POWER INPUT: +10dBm (CW)
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: SEE LOGIC TABLE
- VIDEO TRANSIENTS LESS THAN 100 mV PEAK TO PEAK
- 2nd HARMONIC -30 dBc MAXIMUM
- 3rd HARMONIC -30 dBc MAXIMUM
- SPURIOUS -100 dBc MAXIMUM
- POWER SUPPLY: +5 ±0.25 Vdc @ 240 mA MAXIMUM
-15 ±5% @ 110mA MAXIMUM
- CONNECTORS:
RF SMA FEMALE
CONTROL 15 PIN D SUBMINIATURE CONNECTOR
- SIZE: 4.65" (L) x 1.50" (W) x 0.75" (H)
- WEIGHT: 8.0 OUNCES MAXIMUM

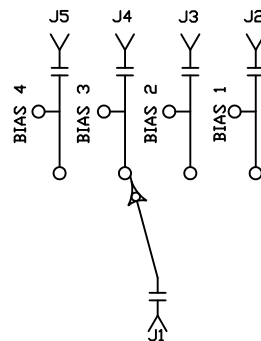
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
		ORIGINAL RELEASE JOB # 006132E	08/04/00	
A		SEE ECN# 13-019	4/1/18	R.A.



CONNECTOR PINOUT TABLE

PIN	FUNCTION	PIN	FUNCTION
1	N/C	9	N/C
2	N/C	10	N/C
3	+5V	11	N/C
4	GND	12	N/C
5	2 ⁰ CONTROL	13	N/C
6	2 ¹ CONTROL	14	-15V ±5%
7	2 ² CONTROL	15	N/C
8	N/C		

BLOCK DIAGRAM



CONTROL LOGIC DEFINITIONS

RF PATH TO J1	TTL CONTROL LOGIC		
	2 ²	2 ¹	2 ⁰
OFF STATE	0	X	X
J2	1	0	0
J3	1	0	1
J4	1	1	0
J5	1	1	1

ENVIRONMENTAL RATINGS:

- TEMPERATURE: 0°C TO +60°C (OPERATING)
-55°C TO +85°C (NON-OPERATING)
- HUMIDITY: CAPABLE OF INTERMITTENT OR CONTINUOUS OPERATION UP TO 95% HUMIDITY
- 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

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

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
DRAWN <i>RAB</i>		08/04/00	TITLE PRODUCT FEATURE SWN-LVD-4DT-RN OPTION G662220		
REDRAWN <i>JDJ</i>		8/17/04	115 TO 125 MHz SINGLE POLE FOUR THROW SWITCH		
ISSUED			SIZE FSCM NO.	DWG NO.	REV.
			A 60483	100-5654	A
SCALE N/S			SHEET 1 of 3		