

ZONE		REV.	DESCRIPTION	DATE	APPROVED
			ORIGINAL RELEASE	12/20/98	

SPECIFICATIONS:

- FREQUENCY: 9.5 GHz - 10 GHz
- INSERTION LOSS: 2.0dB MAXIMUM
- ISOLATION: 65dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
- SWITCHING SPEED: 250 nS MAXIMUM
- INPUT RF POWER: +22 dBm MAXIMUM
- CONTROL LOGIC: SEE TABLE BELOW
- POWER SUPPLY: +5V @ +125 mA MAXIMUM
-15V @ -75 mA MAXIMUM
- OPERATING TEMPERATURE: -54°C TO +85°C
- STORAGE TEMPERATURE: -85°C TO +125°C
- THERMAL SHOCK: -55°C TO +85°C
WITH 1 HOUR DWELL AT EACH TEMPERATURE EXTREME
- CYCLES: 24 MINIMUM
- RF CONNECTORS: SMA FEMALE (REMOVABLE)
- SIZE: 1.1" x 0.75" x 0.24"
- WEIGHT: 1.5 OZ. MAXIMUM

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

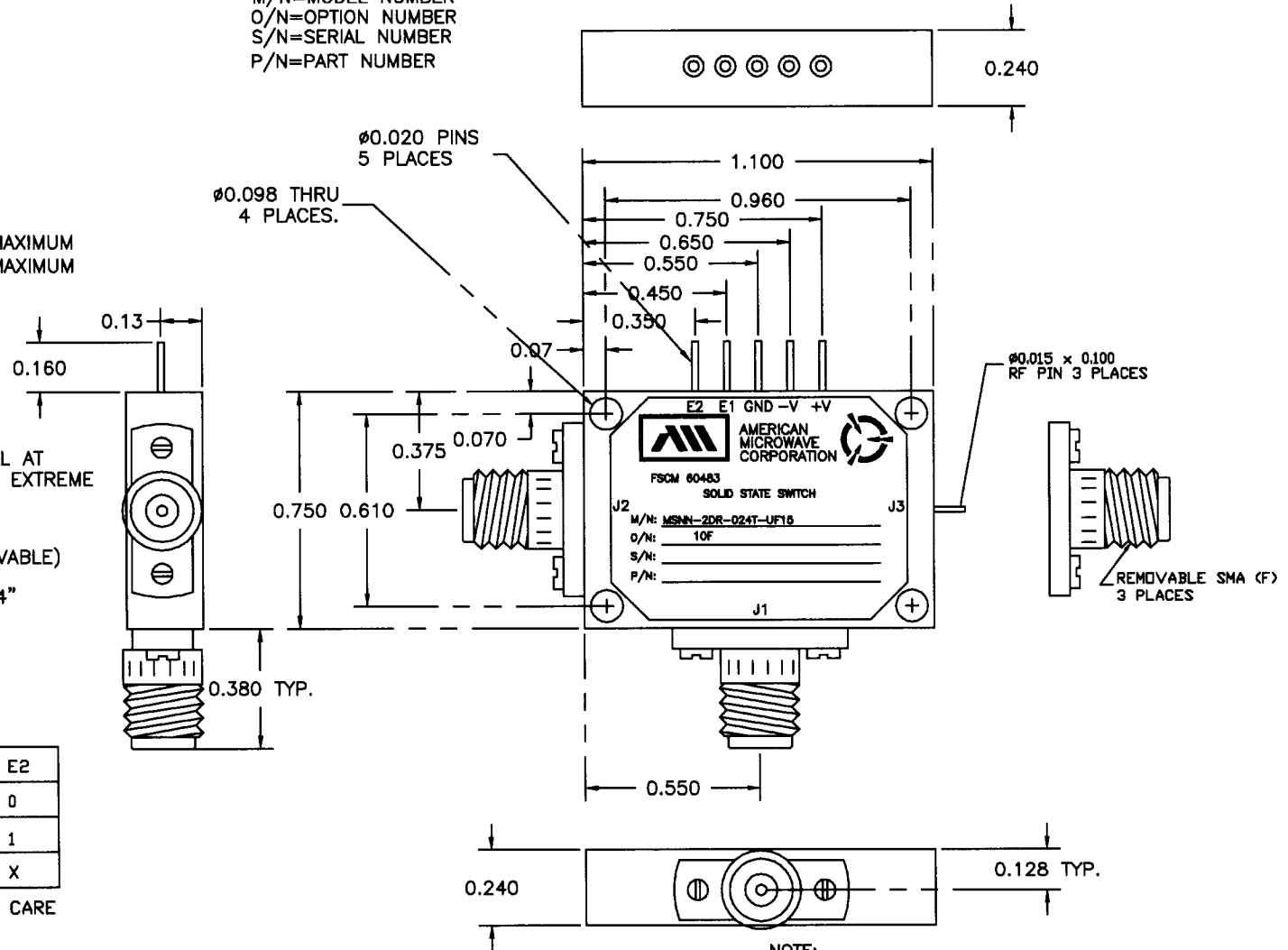


TABLE: SWITCHING LOGIC

PORT STATUS	E1	E2
J1-J2 (J3 TERMINATED)	1	0
J1-J3 (J2 TERMINATED)	1	1
J2 & J3 TERMINATED	1/	X

0-LOGIC LOW, 1-LOGIC HIGH, X-LOGIC DON'T CARE

1/ THERE SHALL BE A MINIMUM 65 dB ISOLATION BETWEEN PORT J1 TO PORT J2 AND PORT J1 TO PORT J3 WHEN PIN E1 IS LOGIC LOW

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

NOTE:

DR=WITH DRIVER, REFLECTIVE
DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN K SIMMS	12/20/98	MSNN-2DR-024T-UF15 OPTION 10F RAYTHEON H8000369-001 SOLID STATE SWITCH	
CHECKED		SIZE	REV.
ISSUED		A	60483
		DWG NO.	100-4691-3
		SCALE	SHEET 1 of 1