

DESCRIPTION:

AMC MODEL SFB-1083-2DR-MCT IS AN TWO CHANNEL SWITCHED FILTER BANK WITH INTEGRAL TTL DRIVER.

SPECIFICATIONS:

- FREQUENCY RANGE: 1.8 GHz - 3.0 GHz
- INSERTION LOSS: 3.5 dB MAX, ±0.5
- ISOLATION: 60 dB MIN.
- VSWR: 1.5:1 GOAL 2.0:1 TYPICAL
- IMPEDANCE: 50 OHMS
- SWITCHING SPEED: DELAY ON (50% TTL TO 90% RF) 500 ns MAX.
DELAY OFF (50% TTL TO 10% RF) 500 ns MAX.
- CONTROL: TTL COMPATIBLE UNIT LOAD TWO INDIVIDUAL CONTROLS
LOGIC "0" INSERTION LOSS
LOGIC "1" ISOLATION
- RF POWER RATING: +30 dBm CW MAXIMUM
- POWER SUPPLY: +15V @ 40 mA MAXIMUM
-15V @100 mA MAXIMUM
- CONNECTOR: SMA FEMALE (REMOVABLE)
- SIZE: 4.50" (W) X 3.5" (L) X 0.75" (H)
- WEIGHT: 12 OUNCES TYPICAL

FILTER CHARACTERISTICS			
PARAMETER	FL1	FL2	UNITS
PASS BAND RIPPLE	MAX 0.28	0.25	dB
CENTER FREQUENCY	2035	2600	MHZ
1 dB LOW	MAX 1770	2300	MHZ
1 dB HIGH	MIN. 2300	3000	MHZ
60 dB LOW	MIN. 1250	1700	MHZ
60 dB HIGH	MAX 2650	3400	MHZ
65 dB HIGH MIN.	RANGE 2700-6000	3400-6000	MHZ
65 dB LOW MIN.	RANGE DC-1150	DC-1500	MHZ

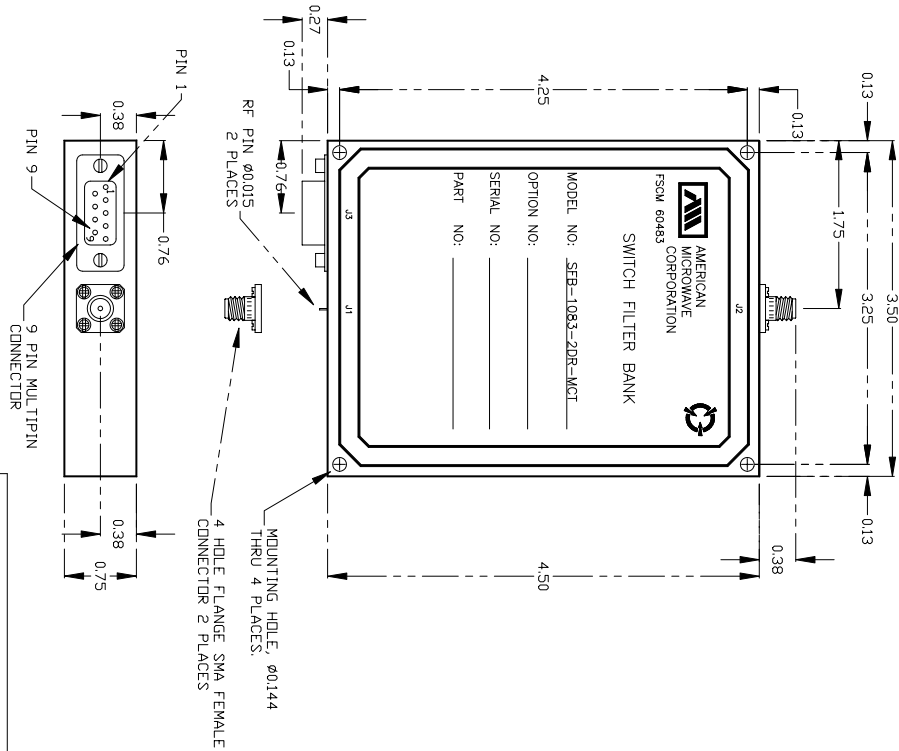
ENVIRONMENTAL RATINGS:

- TEMPERATURE: 0°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

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL RELEASE	7/30/99	



LOGIC TABLE		
E1 = 0	J1-J2	1770 - 2300 MHZ
E1 = 1	J1-J2	2300 - 3000 MHZ

PIN DUT TABLE J1	
PIN	TO
1	+15V
2	GND
3	-15V
4	E1
5	N/C
6	N/C
7	N/C
8	N/C
9	GND

N/C = NO CONNECTION

NOTE:
DR=WITH DRIVER, REFLECTIVE

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

PART NO.		TITLE	
APPROVALS		DATE	
DRAWN K SIMMS		7/30/99	
CHECKED			
ISSUED			
SIZE A		FSCM NO. 60483	
SCALE		DWG NO. 100-4948	
SHEET 1		REV. 2	

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

OUTLINE DRAWING
SFB-1083-2DR-MCT
SWITCHED FILTER BANK