

DESCRIPTION:

THIS IS A SWITCHABLE NOTCH FILTER OPERATING FROM 8 GHz TO 18 GHz WITH A TTL CONTROL SIGNAL TO APPLY A NOTCH FROM 9.5 GHz TO 9.9 GHz

SPECIFICATIONS:

- FREQUENCY RANGE: 8 GHz TO 18 GHz
- VSWR (BOTH CHANNELS): 2.0:1 MAX.
- ISOLATION: 40 dB min. CHANNEL TO CHANNEL
- INPUT POWER (OPERATING): +20 dBm MAX. CONTINUOUS CW SIGNAL
- SWITCHING SPEED: 1.0 USEC MAX.
- SPURIOUS OUTPUTS: -65 dBc MEASURED AT AN INPUT POWER OF +17 dBm
- POWER SUPPLY: +5v $\pm$ 5% @ 70mA
-10V $\pm$ 5% @ 100mA.
- INSERTION LOSS: 2.5dB MAX.
- BYPASS: 2.8dB MAX.
- NOTCH FILTER: 2.8dB MAX.
OVER 8-9 GHz:
OVER 9.5-9.9 GHz:
(REJECTION OF NOTCH FILTER) 35dB
OVER 10.5-18GHz 2.8dB MAX.
- MISCELLANEOUS: BETWEEN THE FREQUENCY RANGE OF 9 TO 9.5 GHz, THE INSERTION LOSS OF THE FILTER SHALL MONOTONICALLY INCREASE. BETWEEN FREQUENCY RANGE OF 9.9 TO 10.5 GHz, THE INSERTION LOSS OF THE FILTER SHALL MONOTONICALLY DECREASE.
- BAND PASS FILTER TYPE: NOTCH FILTER
- POPULATION TRACKING: 1.0 dB MAX. ALL EFFECTS
- CONNECTOR: SMA FEMALE
- CONTROL: TTL SINGLE CONTROL
TTL HIGH = NOTCH FILTER
TTL LOW = BYPASS
- HERMETICITY AIR EQUIVALENT LEAK RATE SHALL NOT EXCEED 1X10-6 ATMOSPHERES PER CUBIC CENTIMETRES PER SECOND.
- SIZE: 3.00 (L) X 1.00 (W) X 0.50 (H)
- WEIGHT: 3.5 OZ. (100 GRAMS) MAXIMUM

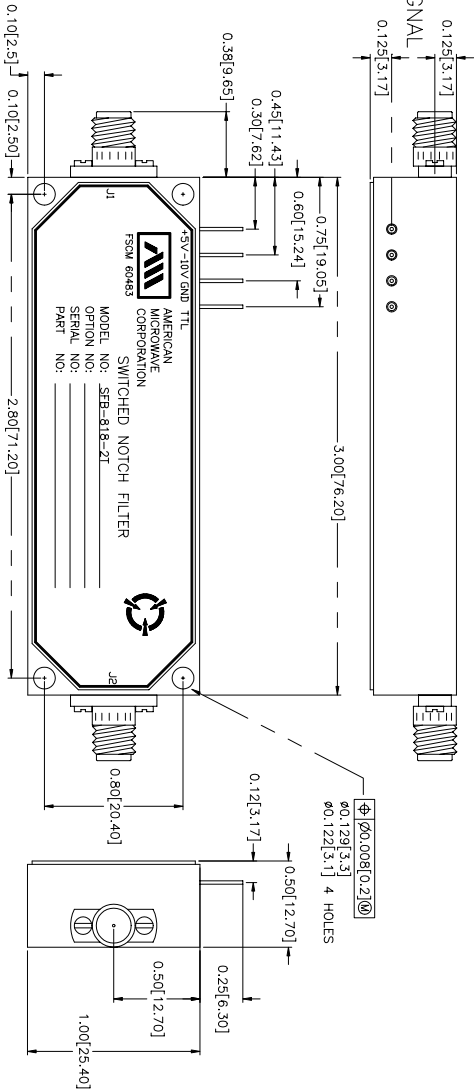
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +95°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	12/31/98	



ALL DIMENSIONS ARE IN INCHES(MM)
TOLERANCES:
X.XX $\pm$ 0.010
X.XXX $\pm$ 0.005

PART NO.		TITLE	
APPROVALS		DATE	
DRAWN J. Velez		7/28/99	
CHECKED			
ISSUED			
SIZE A		FSCM NO. 60483	
SCALE NONE		DWG NO. PF100-1537-2	
		REV. -	

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OUTLINE DRAWING
SFB-818-2T