

THE MODEL LM-20M80M-10-20W IS A HIGH POWER LIMITER WITH AN INPUT POWER LEVEL OF 20 WATTS, INSERTION LOSS OF 1.5 dB MAXIMUM (0.5 dB TYPICAL), VSWR OF 1.5:1 TYPICAL AND 1 μ SEC RECOVERY TIME PACKAGED IN A SMALL 1.00" x 1.00" x 0.040" HOUSING.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	ORIGINAL JOB # 90104P	3/28/02	

- FREQUENCY RANGE: 25 MHz TO 80 MHz
- INSERTION LOSS: 1.5:1 MAXIMUM (0.5:1 TYPICAL)
- VSWR: 2.0:1 MAXIMUM (1.5:1 TYPICAL)
- INPUT POWER LEVEL:
 - CW IN-BAND: 5 TO 10 WATTS
 - CW OUT OF BAND: 20 WATTS MAXIMUM
- OUTPUT LIMITING: +15 dBm MAXIMUM (+10 dBm TYPICAL)
- RECOVERY TIME: 1 μ SEC MAXIMUM
- PULSE WIDTH: 2 μ SEC , 9 KHz REP RATE
- SIZE: 1.0" x 1.0" x 0.40"
- WEIGHT: 1.0 OUNCE

Technical drawing of the LM-20M80M-10-20W power limiter, showing three views: top, side, and front.

Top View:

- Overall width: 1.00
- Distance from left edge to center of mounting surface: 0.40
- Distance from center of mounting surface to right edge: 0.380
- Mounting surface diameter: $\phi 0.089$ THRU 2 PLACES

Side View:

- Overall height: 1.00
- Distance from top edge to center of mounting surface: 0.075
- Distance from center of mounting surface to bottom edge: 0.075
- Distance from left edge to center of mounting surface: 0.075
- Distance from center of mounting surface to right edge: 0.075

Front View:

- Overall width: 1.00
- Distance from left edge to center of mounting surface: 0.125
- Distance from center of mounting surface to right edge: 0.851
- Mounting surface diameter: $\phi 0.089$ THRU 2 PLACES
- Removable SMA female connectors, 2 places
- Distance from bottom edge to center of mounting surface: 0.50
- Distance from center of mounting surface to right edge: 0.075
- RF pin diameter: $\phi 0.015 \times 0.100$ RF PIN 2 PLACES

Label:

PLANAR MONOLITHICS INDUSTRIES
POWER LIMITER
M/N: LM-20M80M-10-20W
O/N: _____
S/N: _____

1) DIMENSIONS ARE IN INCHES
2) TOLERANCES: X.XX ±0.020
 X.XXX ±0.010
3) WEIGHT: 1 OZ

• TEMPERATURE	-55°C TO +85°C (OPERATING)			
	-65°C TO +100°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

PART NO.			PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND		
APPROVALS	DATE		TITLE PRODUCT FEATURE LM-20M80M-10-20W HIGH POWER LIMITER		
DRAWN WSP	3/28/02				
CHECKED					
ISSUED			SIZE A	FSCM NO. 0ZXZ8	DWG NO. 100-6309
		SCALE N:S		SHEET 1 of 3	