

DESCRIPTION

PMI MODEL NO. LPF-950M1R6G-SFF IS A LOW PASS FILTER WITH A FREQUENCY RANGE OF 0.95 TO 1.6 GHz. IT HAS AN INSERTION LOSS OF 1.2 dB MAXIMUM AND A MAXIMUM VSWR OF 1.5:1. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/1/2023	

SPECIFICATIONS @ 25°C

- FREQUENCY RANGE: 0.95 TO 1.6 GHz
- FLATNESS: 1.2 dB MAX
- INSERTION LOSS: 1.2 dB MAX
- VSWR: 1.5:1 MAX
- REJECTION @ 1.8 TO 5.0 GHz: 40 dBc MIN
- INPUT POWER: 20 WATT MAX
- CONNECTORS: SMA FEMALE
- FINISH: PAINTED BLUE
- WEIGHT: 2 oz MAX.

ENVIRONMENTAL RATINGS

- TEMPERATURE: 0 °C TO +70 °C (OPERATING)
-20 °C TO +70 °C (STORAGE)
- HUMIDITY: MIL-HDBK-5400 4.6.2.4
OPERATING: RH90% MAX
NON OPERATING: RH 90% MAX
NON-CONDENSATION
- SHOCK: MIL-HDBK-5400 4.6.2.6
•Part 1 - I: Sawtooth wave 20G 11ms
•Part 1 - IV : Drop test during maintenance
•Part 2 Crash Safety: Sawtooth wave 40G 11ms
- VIBRATION: MIL-HDBK-5400 4.6.2.5 (apply JET AIRCRAFT equipment airborne)
•Performance
Test: W1=0.04G²/Hz, W2=0.03G²/Hz,
Overall=6.86Grms: 0.5Hr × 2 Times × 3 Axes
•Endurance
Test: W1=0.04G²/Hz, W2=0.166G²/Hz,
Overall=15.07Grms: 3Hrs × 3 Axes
- ALTITUDE: MIL-HDBK-5400 CLASS1 (UPPER LIMIT OF 10,500 FT)
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

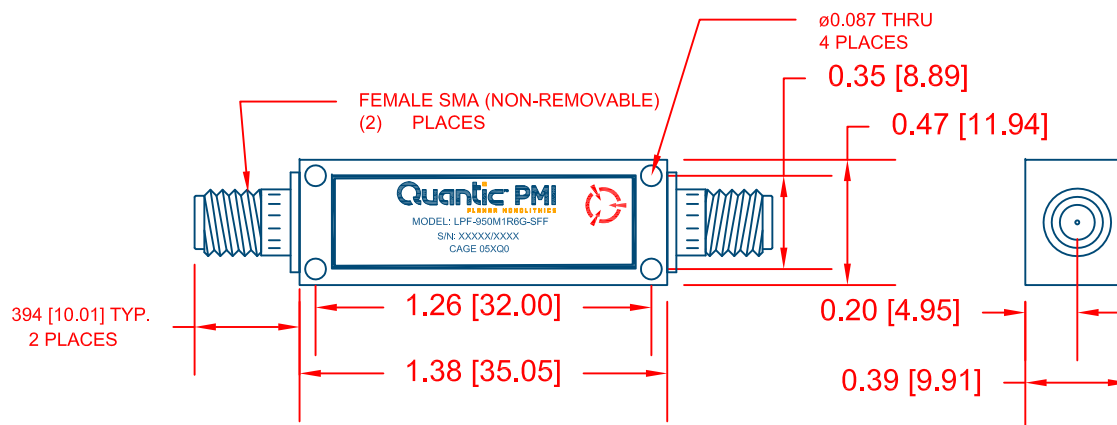
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

MECHANICAL OUTLINE



7309-A GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.quanticipmi.com
EMAIL: sales@quanticipmi.com
ISO 9001 CERTIFIED

Quantic PMI
PLANAR MONOLITHICS

APPROVALS		DATE	TITLE			SIZE	FSCM NO.	DWG NO.	REV.
DRAWN		MDL	PRODUCT FEATURE			A	05XQ0	27047560	A1
REDRAWN			LPF-950M1R6G-SFF						
ISSUED									
						SCALE	N:S	SHEET	1 OF 1