

DESCRIPTION:

PMI MODEL NO. ERDLVA-218-73-50MV-TK-1 IS A 2.0 TO 18.0 GHz ERDLVA (EXTENDED RANGE DETECTOR LOG VIDEO AMPLIFIER).

SPECIFICATIONS:

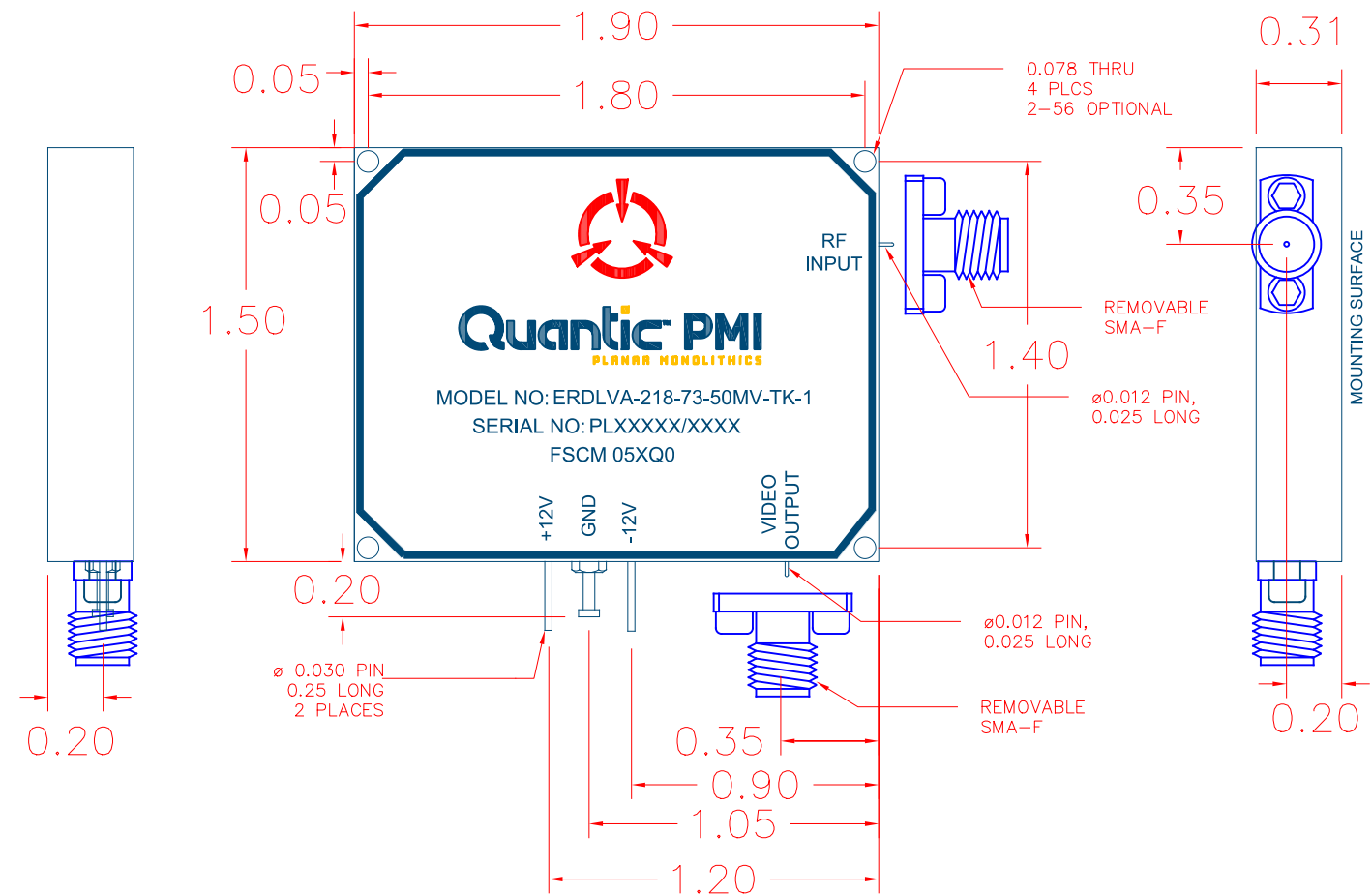
- FREQUENCY:..... 2.0 GHz TO 18.0 GHz
- FREQUENCY FLATNESS:..... ±2dB MAX
- VSWR:..... 2.0:1 MAX
- MAX INPUT LEVEL:..... +20dBm CW
- PULSE RESPONSE:..... PULSE (50ns – 100us)
- TSS:..... -70dBm MAX
- LOG DYNAMIC RANGE:..... -68dBm TO 5dBm
- LOG SLOPE:..... 50mV/dB ±5mV/dB INTO 100 OHMS LOAD
- LOG LINEARITY:..... ±1.5dB MAX
- RISE TIME:..... 25ns MAX
- RECOVERY TIME:..... 400ns MAX
- DC OFFSET:..... +100mV ±75mV
- POWER SUPPLY:..... +12VDC @ 330mA MAX, -12VDC @ 100mA MAX
- CW IMMUNITY:..... NONE
- BASELINE SHIFT:..... 100mV MAX
- FINISH:..... GOLD PLATING PER MIL-G-45204B

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -30°C TO +85°C (OPERATING)
-30°C TO +100°C (STORAGE)
- HUMIDITY:..... MIL-STD-810F, METHOD 507.4
- SHOCK:..... MIL-STD-810F, METHOD 516.5
- VIBRATION:..... MIL-STD-810F, METHOD 514.5
- SALT & FOG:..... MIL-STD-810F, METHOD 509

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/3/2025	



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

PMI CONFIDENTIAL AND PROPRIETARY

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



APPROVALS		DATE	TITLE		
DRAWN <i>S. AFHAR</i>		9/3/25	OUTLINE ERDLVA-218-73-50MV-TK-1		
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		REV. -
				SHEET 1 OF 1	