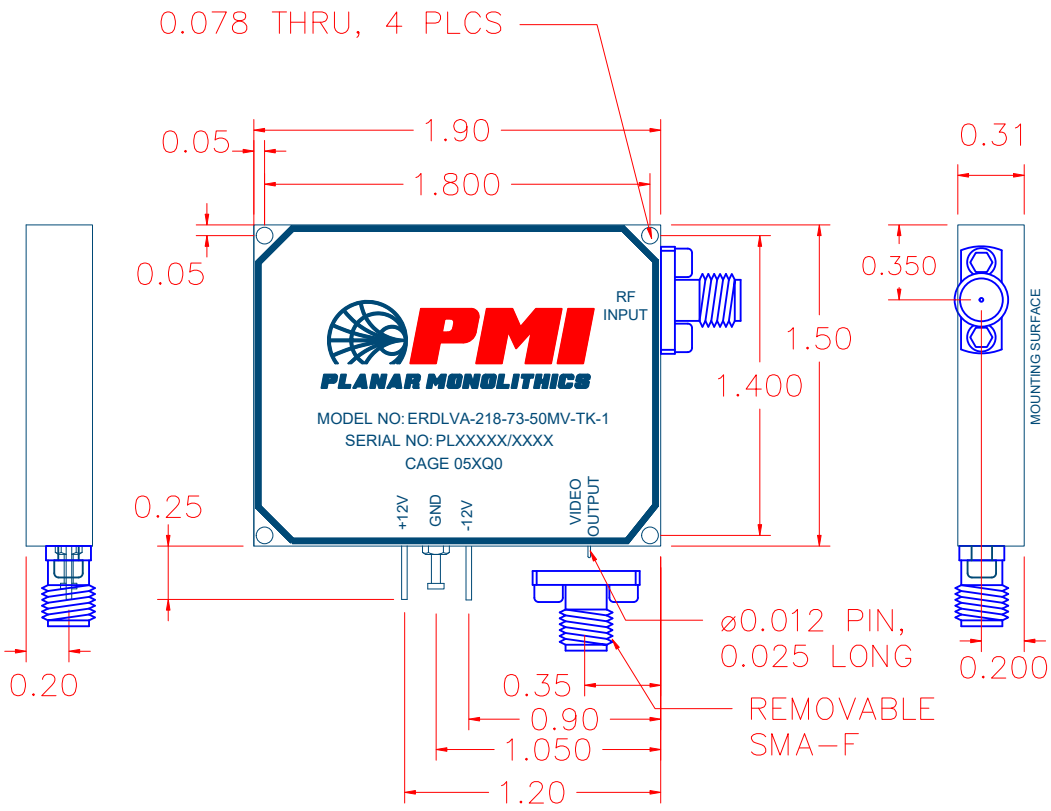
DESCRIPTION:

PMI MODEL NO. ERDLVA-218-73-50MV-TK-1 IS A ERDLVA (EXTENDED RANGE DETECTOR LOG VIDEO AMPLIFIER). THIS UNIT OPERATES FROM 2.0 TO 18.0 GHz. AND HAS A DYNAMIC RAGE OF 73 dB.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/20/23	
	B1	ECN # 26-0150	7/30/26	

SPECIFICATIONS:

- FREQUENCY:..... 2.0 GHz TO 18.0 GHz
- FREQUENCY FLATNESS:..... ±2dB MAX
- VSWR:..... 2.5:1 MAX
- MAX INPUT LEVEL:..... +20dBm CW
- PULSE RESPONSE:..... PULSE (50ns – 100us)
- TSS:..... –72dBm MAX +25°C/ –70 dBm MAX +85°C
- 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:..... 500ns MAX
- DC OFFSET:..... +150mV ±100mV
- POWER SUPPLY:..... +12VDC @ 330mA MAX, –12VDC @ 100mA MAX
- BASELINE SHIFT:.....100mV MAX
- FINISH:..... NICKEL PLATED



ENVIRONMENTAL RATINGS:

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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

PLANAR MONOLITHICS

APPROVALS	DATE
DRAWN S AZHAR	10/21/25
REDRAWN	
ISSUED	

TITLE: OUTLINE
ERDLVA-218-73-50MV-TK-1

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27053460	B1

SCALE N:S SHEET 1 OF 1