

## DESCRIPTION

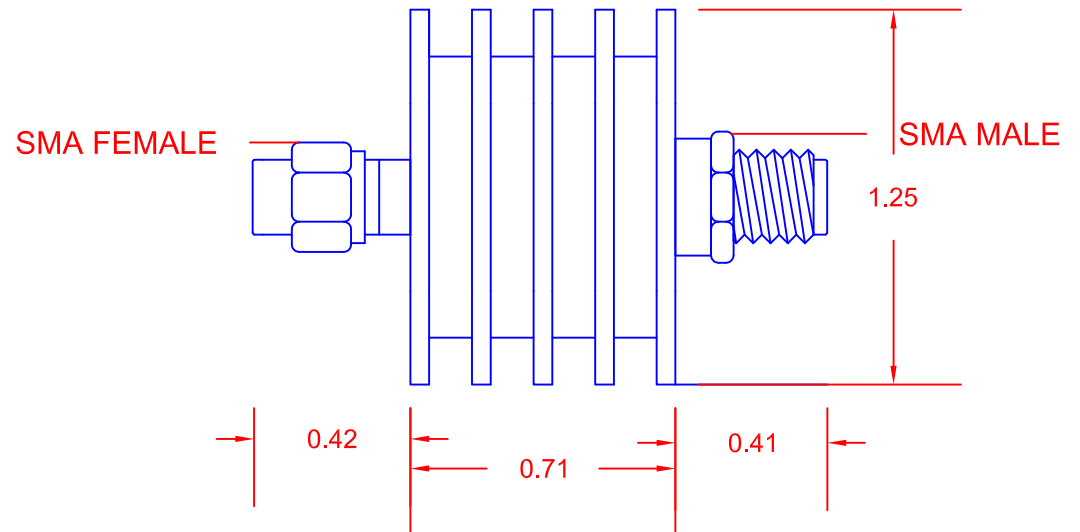
PMI MODEL NO. PFA-DC18-10dB-SMF IS A 10 dB FIXED ATTENUATOR THAT OPERATES OVER THE FREQUENCY RANGE OF DC TO 18.0 GHz AND LOW CW INPUT POWER.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	12/30/2022	

## MECHANICAL OUTLINE

## SPECIFICATIONS

- FREQUENCY RANGE: ----- DC TO 18.0 GHz
- IMPEDANCE ----- 50 OHMs
- ATTENUATION ----- 10 dB
- VSWR (RETURN LOSS): ----- 1.25 MAX (19.1 dB MIN)
- INPUT POWER: ----- 10 Watts
- DEVIATION (+/-dB): -----  
DC TO 4 GHz - 0.5  
4 TO 8 GHz - 0.6  
8 TO 12.4 GHz - 0.7  
12.4 TO 18 GHz - 1.0
- RF CONNECTORS IN/OUT: ----- SMA MALE / SMA FEMALE
- BODY: ----- STAINLESS STEEL PASSIVATED



## ENVIRONMENTAL RATINGS

- HUMIDITY: ----- MIL-STD-202, METHOD 106
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. G
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. B

## ABSOLUTE MAXIMUM ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +125 °C

PERMANENT DAMAGE MAY OCCUR IF ANY OF THESE LIMITS ARE EXCEEDED.

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

**PMI CONFIDENTIAL AND PROPRIETARY**

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>AF</i>		12/30/22	PRODUCT FEATURE PFA-DC18-10dB-SMF			
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N:S		SHEET 1 OF 1	