

Typical Characteristics
ON
PFA-DC18-20W-10DB-SMF

PMI MODEL NUMBER PFA-DC18-20W-10DB-SMF IS A FIXED ATTENUATOR THAT OPERATES OVER THE FREQUENCY RANGE OF DC TO 18.0 GHz. THIS MODEL IS OUTFITTED WITH A SMA MALE INPUT CONNECTOR AND A SMA FEMALE OUTPUT CONNECTOR.



February 22, 2024

Drafted By: NOOR AZHAR

Tested and Reported By: NOOR AZHAR

Typical Characteristics ON PFA-DC18-20W-10DB-SMF

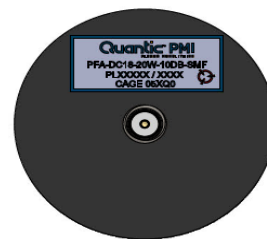
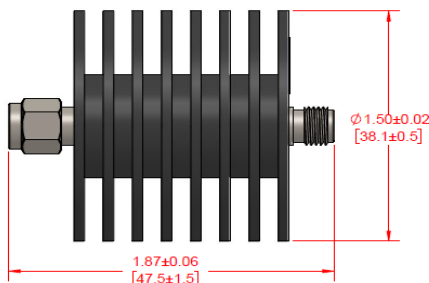
Outline Drawing

DESCRIPTION:

PMI MODEL NUMBER PFA-DC18-20W-10DB-SMF IS A FIXED ATTENUATOR THAT OPERATES OVER THE FREQUENCY RANGE OF DC TO 18.0 GHz. THIS MODEL IS OUTFITTED WITH A SMA MALE INPUT CONNECTOR AND A SMA FEMALE OUTPUT CONNECTOR.

SPECIFICATIONS:

- FREQUENCY RANGE:..... DC TO 18.0 GHz
- NOMINAL ATTENUATION:..... 10 dB TYP
- VSWR (DC TO 6.0 GHz):..... 1.3:1 MAX
- VSWR (6.0 TO 12.4 GHz):..... 1.3:1 MAX
- VSWR (12.4 TO 18.0 GHz):..... 1.4:1 MAX
- INPUT POWER, CW:..... 20 WATTS MAX
- RF CONNECTORS IN/OUT:..... SMA MALE / SMA FEMALE
- FINISH:..... BLACK ANODIZED ALUMINUM



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
..... -55°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107G COND. A

ABSOLUTE MAXIMUM ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +100°C (OPERATING)

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

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

ZONE	REV	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/10/2003	

PMI CONFIDENTIAL AND PROPRIETARY

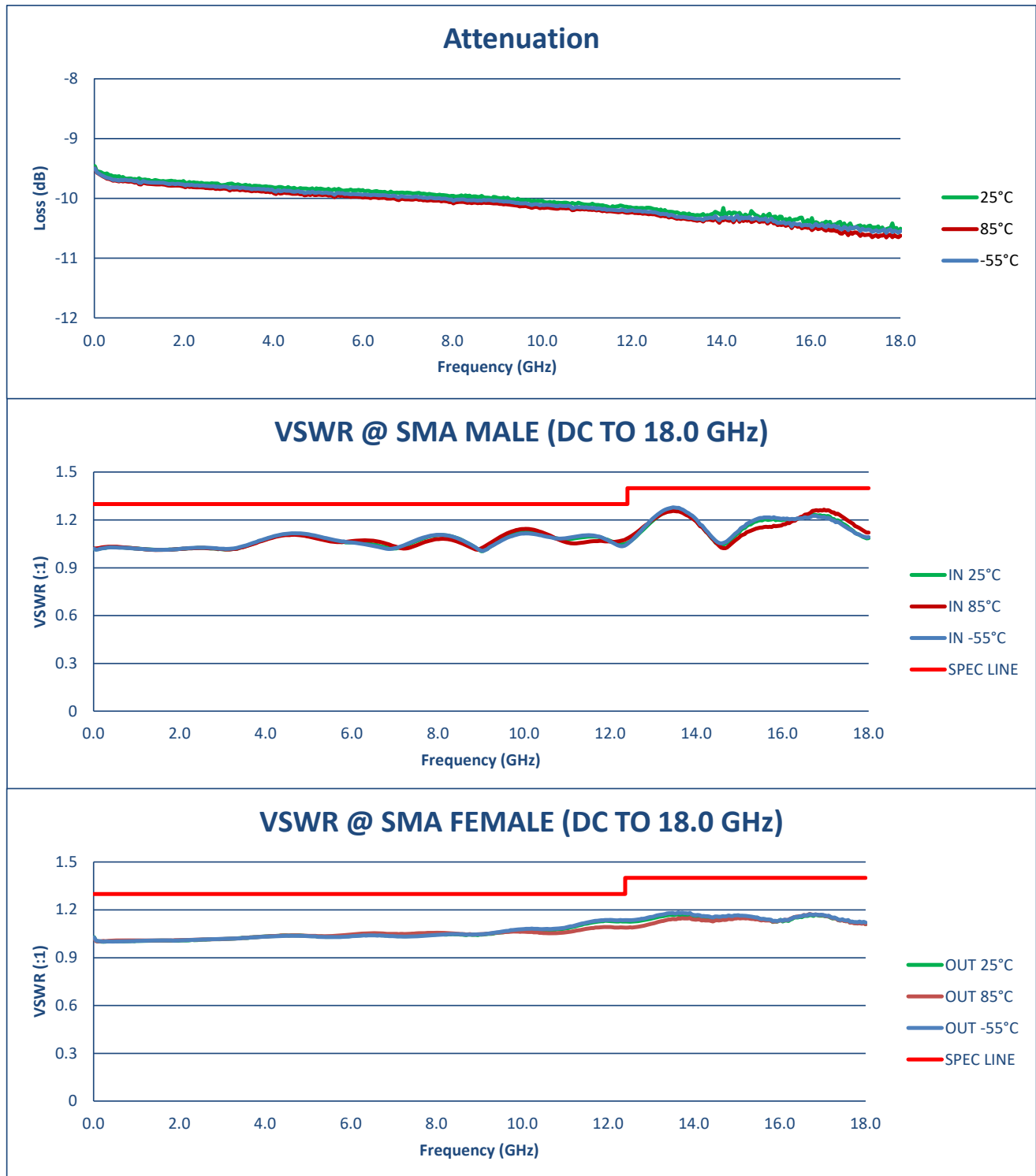
APPROVALS		DATE	TITLE	
DESIGN	SAZHAR	12/10/03	OUTLINE	
ISSUED			PFA-DC18-20W-10DB-SMF	
SIZE	PCOM NO.	27047780	REV	
B1	DSVGD		A1	
SCALE 2:1			SHEET 1 OF 1	

**Typical Characteristics
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Technical Specifications

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			25°C	-55°C	85°C
1	Frequency Range:	DC to 18 GHz	DC to 18 GHz		
2	Nominal Attenuation:	10 dB TYP	10.57 dB MAX 9.46 dB MIN	10.58 dB MAX 9.5 dB MIN	10.66 dB MAX 9.5 dB MIN
3	VSWR (DC To 6.0 GHz):	1.3:1 MAX	1.11 :1	1.11 :1	1.12 :1
4	VSWR (6.0 To 12.4 GHz):	1.3:1 MAX	1.13 :1	1.14 :1	1.14 :1
5	VSWR (12.4 To 18.0 GHz):	1.4:1 MAX	1.26 :1	1.26 :1	1.28 :1
6	Input Power, CW:	20 W MAX	20 W CW	20 W CW	20 W CW

**Summary Test Data
On
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