

**TYPICAL CHARACTERISTICS
ON
HP-1D2G18G-CD-SFF**

PMI MODEL: HP-1D2G18G-CD-SFF IS A HIGHPASS FILTER WITH SMA FEMALE CONNECTORS IN AND OUT



**10/11/2024
Reported By:
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Tested By:
Kevin C.**

TYPICAL CHARACTERISTICS ON HP-1D2G18G-CD-SFF

Outline

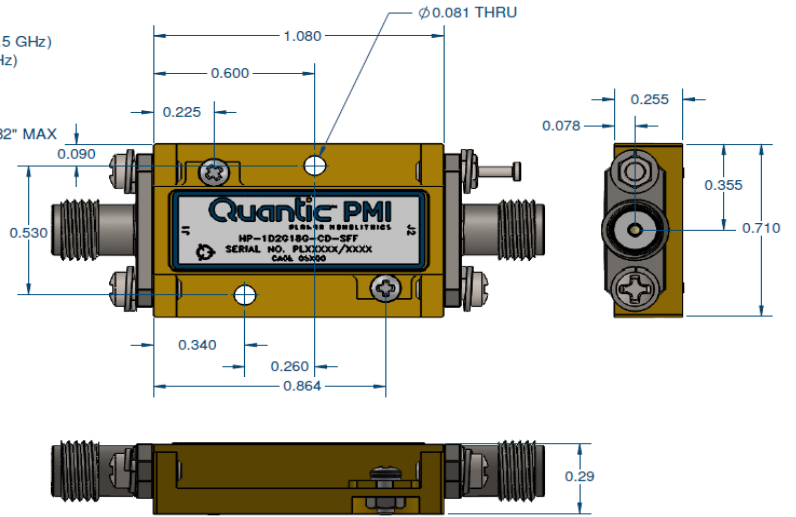
DESCRIPTION:

PMI MODEL: HP-1D2G18G-CD-SFF IS A HIGHPASS FILTER WITH SMA FEMALE CONNECTORS IN AND OUT

ZONE	REV	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	7/18/24	
	B1	ECN # 24-0284	10/24	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 1.2 TO 18 GHz
- CUT-OFF FREQUENCY:..... 1.2 GHz
- VSWR IN THE PASSBAND:..... 2.0:1 MAX
- INSERTION LOSS:..... 4.1 dB MAX (@ 1.2 GHz to 1.5 GHz)
2.5 dB MAX (@ 1.5 TO 18 GHz)
- REJECTION @ 0.5 GHz:..... 26 dB MIN @ 0.9 GHz
37 dB MIN @ 0.835 GHz
- CONNECTORS:..... SMA FEMALE
- SIZE:..... (L) 1.00" X (W) 0.71" X (H) 0.32" MAX
- WEIGHT:..... 1 oz TYP
- FINISH:..... GOLD PLATED



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- VIBRATION:..... MIL-STD-202F, METHOD 204B COND. B
- SHOCK:..... MIL-STD-202F, METHOD 213B COND. B
- HUMIDITY:..... MIL-STD-202F, METHOD 103B COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202F, METHOD 107

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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE	
DRAWN: LAULIS		7/18/24	OUTLINE	
ISSUED:			HP-1D2G18G-CD-SFF	
REVISION:			SIZE: B	QWS NO: 27048240
SCALE: 2:1			REV: B1	
			SHEET 1 OF 1	

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Test Specifications

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results		
			+25°C	-40°C	+85°C
1	Frequency Range:	1.2 to 18 GHz	1.2 to 18 GHz		
2	Passband Insertion Loss:	4.1 dB Max. (1.2 to 1.5 GHz) 2.5 dB Max. (1.5 to 18 GHz)	1.9 dB	1.79 dB	2 dB
			1.31 dB	1.18 dB	1.2 dB
			See Graph		
3	Passband Input/Output VSWR:	2.0:1 Max.	1.61 :1	1.64 :1	1.82 :1
			See Graph		
4	Rejection @ 900 MHz Rejection @ 835 MHz	26 dB Min. 37 dB Min.	31.04 dB	31.05 dB	31.25 dB
			44.92 dB	44.71 dB	45.15 dB
			See Graph		

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