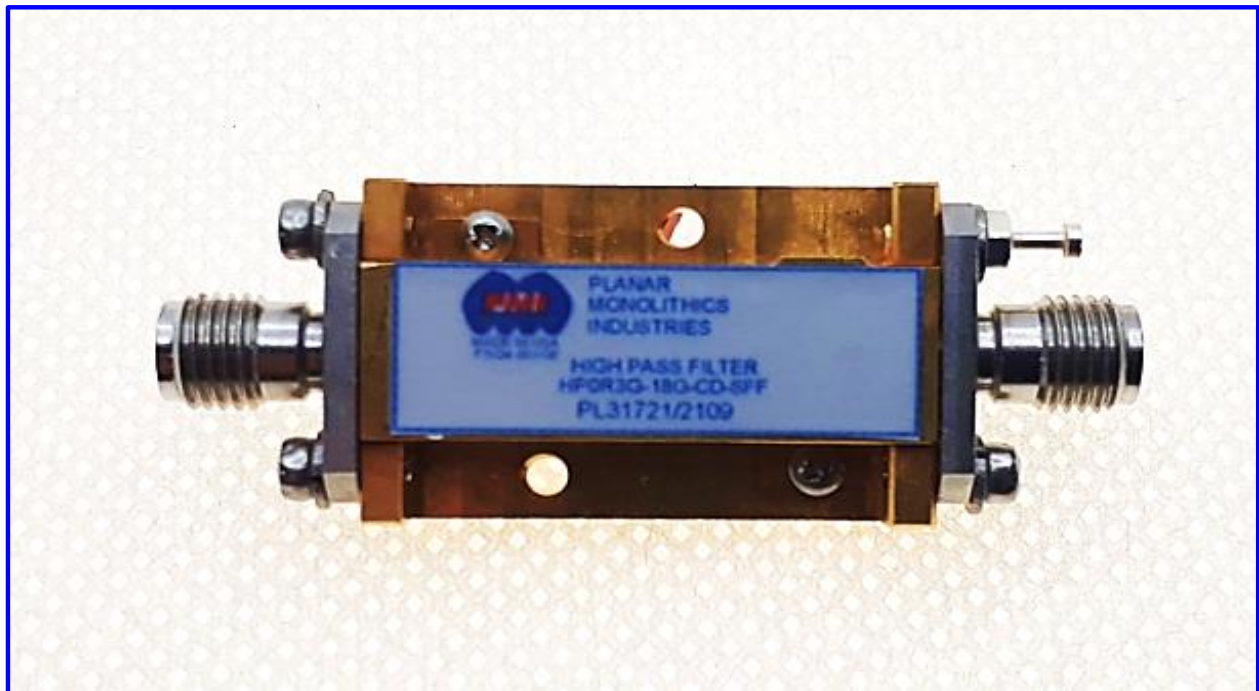




Typical Characteristics ON HP0R3G-18G-CD-SFF

PMI model number HP0R3G-18G-CD-SFF is a Highpass filter with SMA female connectors in and out.



March 3, 2021

Designed By:

Sebastian Palacio

Tested and Reported By:

Alfredo Lopez



Typical Characteristics ON HP0R3G-18G-CD-SFF

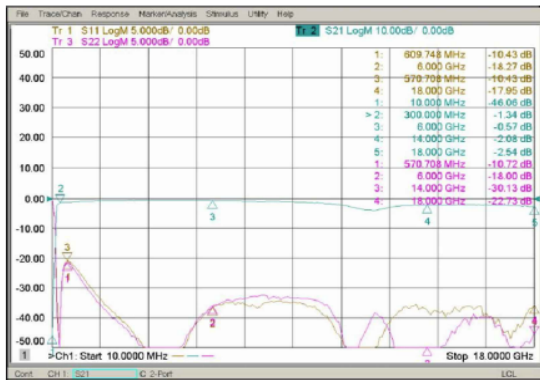
Technical Sheet

DESCRIPTION:

PMI model number HP0R3G-18G-CD-SFF is a Highpass filter with SMA female connectors in and out.

SPECIFICATIONS:

- PASSBAND (3dB): 300 MHz TO 18000 MHz
- VSWR IN THE PASS BAND: 2.0:1 MAX
- INSERTION LOSS (PASSBAND): 2.0 dB TYP.
- REJECTION AT 10 MHz: 45 dB TYP.
- CONNECTORS: SMA FEMALE CONNECTORS
- SIZE: 1.00" (L) x 0.71" (W) x 0.32" (H)
- WEIGHT: 1 OZ. TYP.



TYPICAL PERFORMANCE S-PARAMETERS

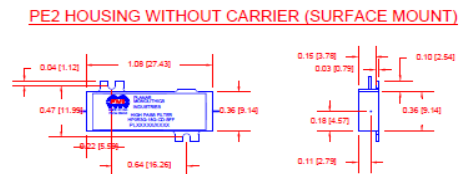
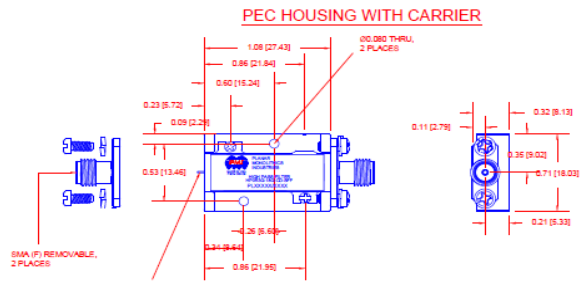
ENVIRONMENTAL RATINGS:

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

		REVISIONS		
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/27/20	



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		REV.
DRAWN	J. PALAORO	2/21/10	PRODUCT FEATURE		
REDRAWN	CW	2/27/20	HP0R3G-18G-CD-SFF		A1
ISSUED			SIZE	PSGM NO.	DWG NO.
			A	05XQ0	27039960
			SCALE	N:S	SHEET 1 OF 1



Typical Characteristics ON HP0R3G-18G-CD-SFF

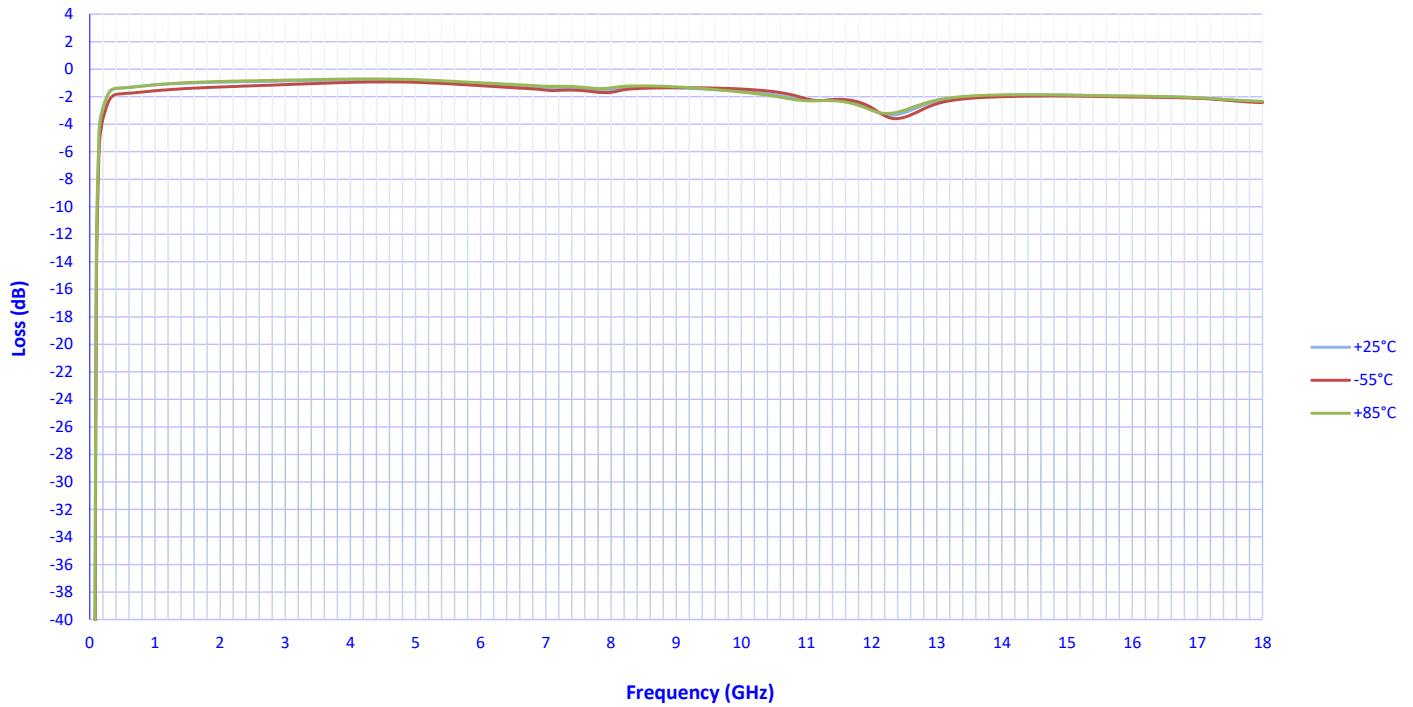
Technical Specifications

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS			QA QC
			+25°C	-55°C	+85°C	
1	Pass-band (3dB):	300 MHz to 18 GHz	300 MHz to 18 GHz	300 MHz to 18 GHz	300 MHz to 18 GHz	
2	Pass-band Insertion Loss:	2.0 dB Typ.	3.36 dB See Graph	3.6 dB See Graph	3.22 dB See Graph	
3	Rejections:	45dB Typ. @10MHz	69.64 dB See Graph	70.49 dB See Graph	70.63 dB See Graph	
4	Pass-band VSWR:	2.0:1 Max.	1.69 :1 See Graph	1.89 :1 See Graph	1.79 :1 See Graph	

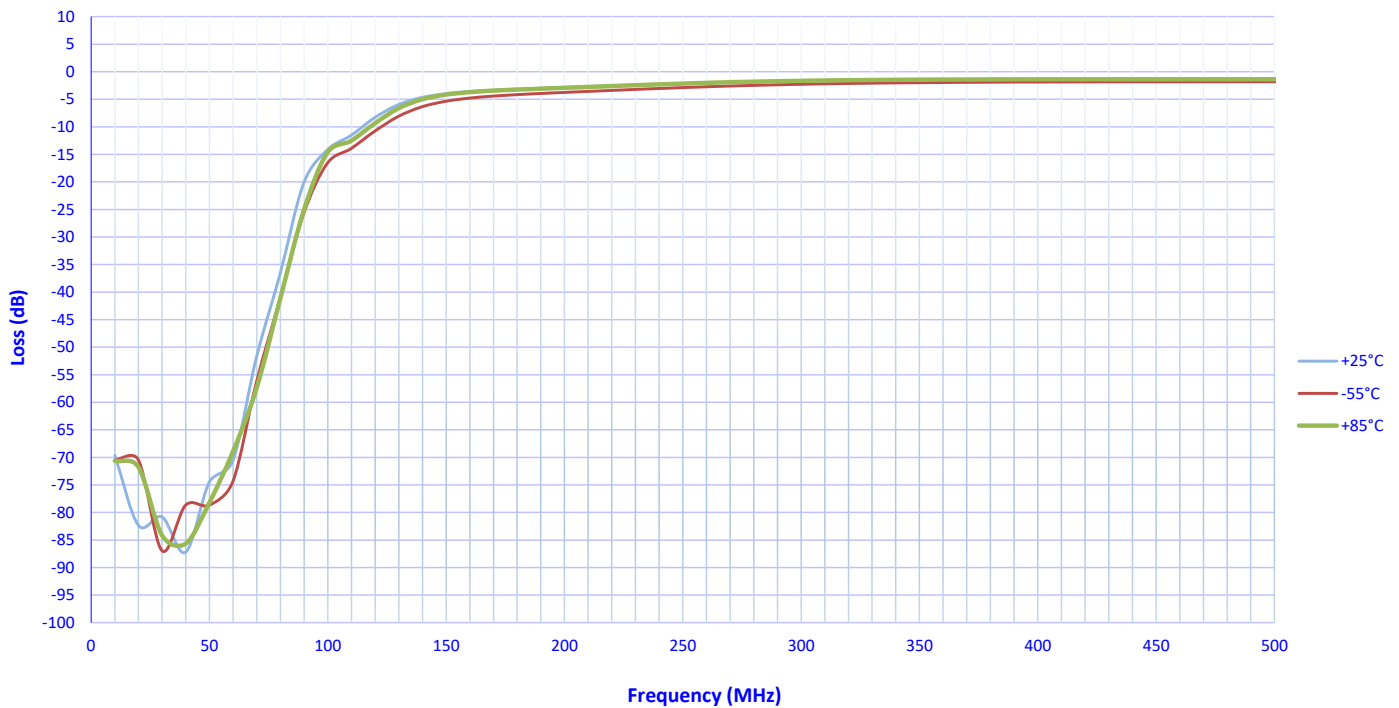


Typical Characteristics ON HP0R3G-18G-CD-SFF

Insertion Loss (PassBand)

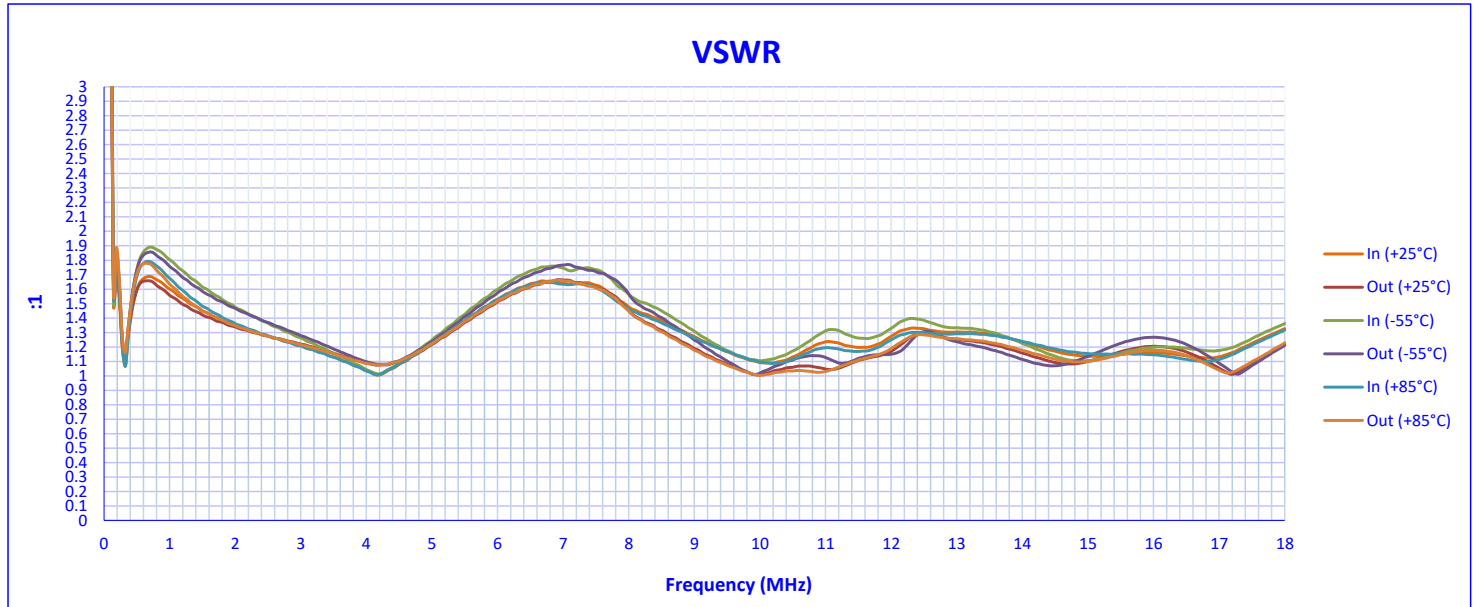


Rejection





Typical Characteristics ON HP0R3G-18G-CD-SFF



Group Delay

