

TYPICAL CHARACTERISTICS
ON
HP0R5G-18G-CD-SFF-ROHS

PMI MODEL NUMBER HP0R5G-18G-CD-SFF-ROHS IS A HIGHPASS FILTER WITH SMA FEMALE CONNECTORS IN AND OUT.



Reported By D. Hoschar
Tested By K. Wagaman
Date August 19th 2024

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PRODUCT FEATURE

DESCRIPTION:

PMI MODEL NUMBER HP0R5G-18G-CD-SFF-ROHS IS A HIGHPASS FILTER WITH SMA FEMALE CONNECTORS IN AND OUT.

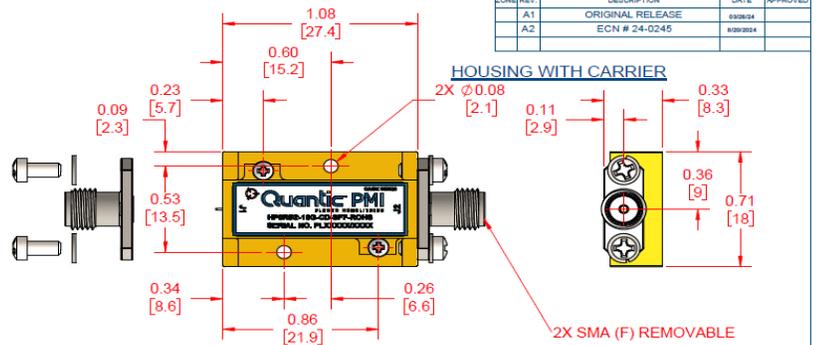
SPECIFICATIONS:

PASSBAND: _____ 0.5 TO 18 GHz
 VSWR IN THE PASSBAND: _____ 2.0:1 MAX
 INSERTION LOSS (PASSBAND): _____ 5 dB MAX (AT 0.5 GHz)
 _____ 2 dB MAX (1 TO 16 GHz)
 _____ 3 dB MAX (16 TO 18 GHz)
 REJECTION AT 0.3 GHz: _____ 40 dBc MIN
 CONNECTORS: _____ SMA FEMALE CONNECTORS
 SIZE: _____ 1.08" (L) x 0.71" (W) x 0.33" (H)
 WEIGHT: _____ 1 OZ. TYP.
 FINISH: _____ GOLD PLATED

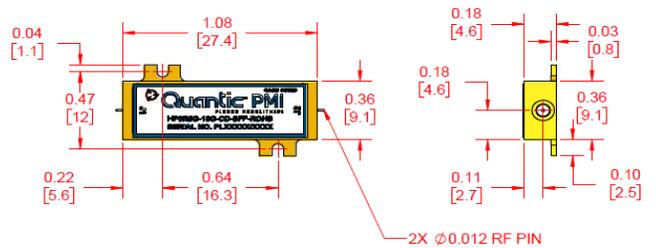
ENVIRONMENTAL RATINGS:

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 COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
|------|------|------------------|----------|----------|
| | A1 | ORIGINAL RELEASE | 03/20/04 | |
| | A2 | ECN # 24-0245 | 03/20/04 | |

PMI CONFIDENTIAL AND PROPRIETARY

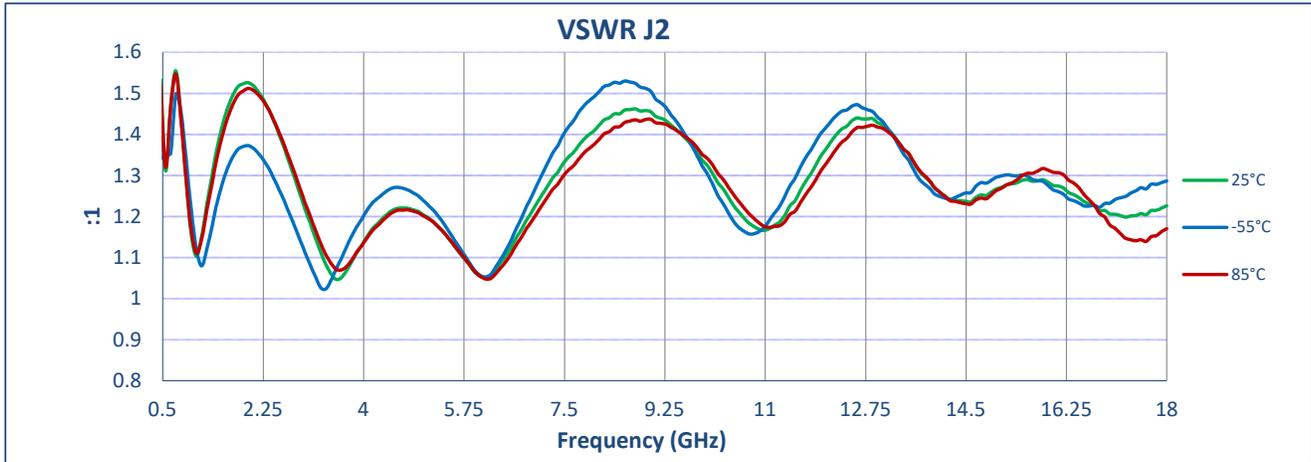
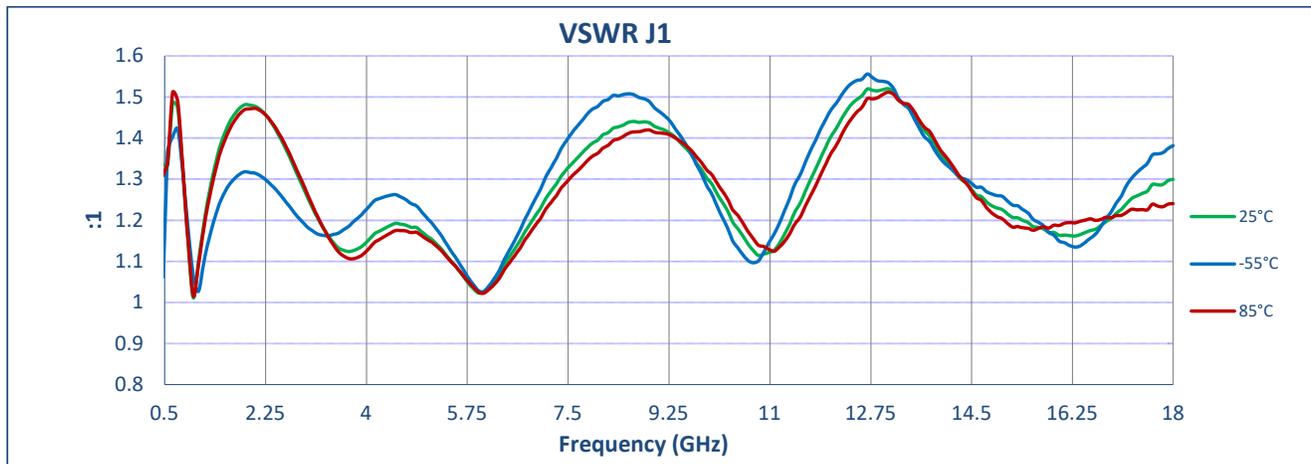
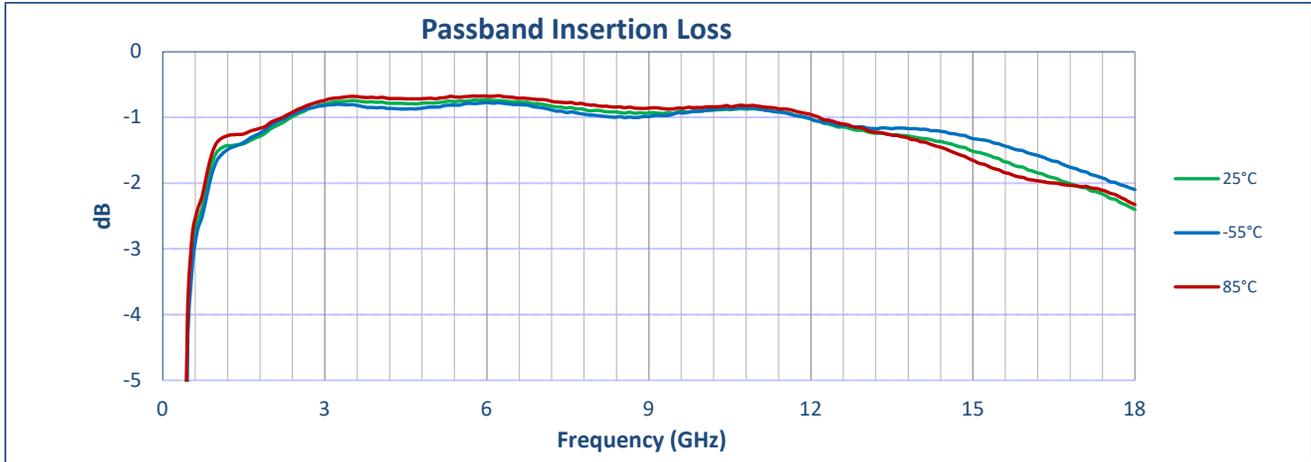
| MATERIAL | | APPROVALS | | DATE | | TITLE | |
|----------|--|-----------|--|----------|--|------------------------|--------------|
| | | DMH | | 03/20/04 | | OUTLINE | |
| | | | | | | HP0R5G-18G-CD-SFF-ROHS | |
| | | | | | | SIZE: PCB: B | REV: A2 |
| | | | | | | FIG: 05XQD | |
| | | | | | | REV: 27048500 | |
| | | | | | | SCALE: 2:1 | SHEET 1 OF 1 |

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TEST DATA

| TEST ITEM | PARAMETERS | SPECIFIED VALUE | TEST RESULTS | | |
|-----------|--------------------------|---|--|---|--|
| | | | 25°C | -55°C | 85°C |
| 1 | Passband Frequency Range | 0.5 GHz to 18 GHz | 0.5 GHz to 18 GHz | | |
| 2 | Insertion Loss | 5 dB Max (0.5 GHz) 2 dB Max (1 to 16 GHz) 3 dB Max (16 to 18 GHz) | 3.66dB (0.5 GHz) 1.76dB (1-16 GHz) 2.4dB (16-18 GHz) | 3.97 dB (0.5 GHz) 1.56 dB (1-16 GHz) 2.1 dB (16-18 GHz) | 3.47 dB (0.5 GHz) 1.91 dB (1-16 GHz) 2.33 dB (16-18 GHz) |
| 3 | VSWR | 2.0:1 Max. | 1.55:1 | 1.56:1 | 1.55:1 |
| 4 | Rejection at 0.3 GHz | 40 dBc Min. | 43.1 dBc | 46.4 dBc | 45 dBc |

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