

TYPICAL CHARACTERISTICS
ON
BPF-3D2G-0D8G-SFF

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER: BPF-3D2G-0D8G-SFF IS A
BANDPASS FILTER WITH A PASSBAND FREQUENCY OF 2.8 GHz TO 3.6 GHz.



Reported By
S. LANGE
11/19/2024

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**TYPICAL CHARACTERISTICS
ON
BPF-3D2G-0D8G-SFF
PRODUCT FEATURE**

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER: BPF-3D2G-0D8G-SFF IS A BANDPASS FILTER WITH A PASSBAND FREQUENCY OF 2.8 GHz TO 3.6 GHz.

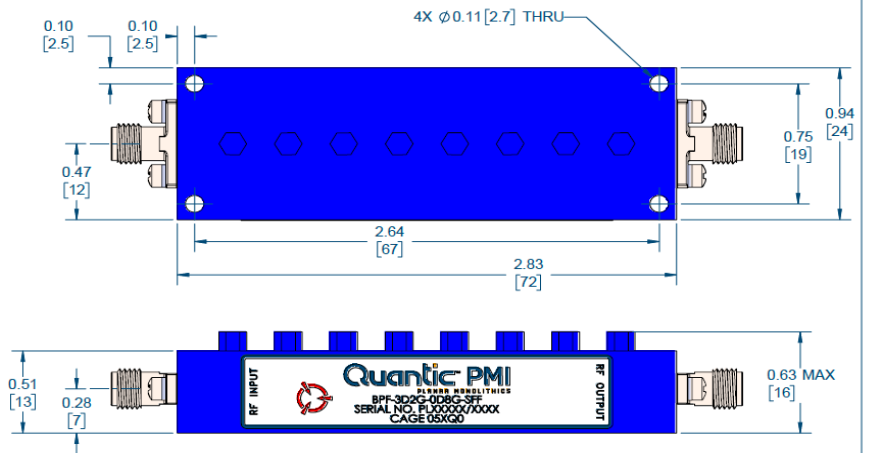
SPECIFICATIONS:

- PASSBAND FREQUENCY:..... 2.8 GHz TO 3.6 GHz
- INSERTION LOSS:..... 0.7 dB MAX
- VSWR:..... 1.4:1 MAX
- REJECTION:..... 40 dB MIN @ 5.25 GHz TO 6 GHz
50 dB MIN @ 8.5 GHz TO 10.5 GHz
- INPUT POWER:..... 20 W CW MAX
- CONNECTORS(IN/OUT):..... SMA FEMALE
- FINISH:..... PAINTED BLUE

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -20°C TO +65°C

| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
|------|------|------------------|----------|----------|
| | A1 | ORIGINAL RELEASE | 8/9/2024 | |
| | | | | |



PMI CONFIDENTIAL AND PROPRIETARY

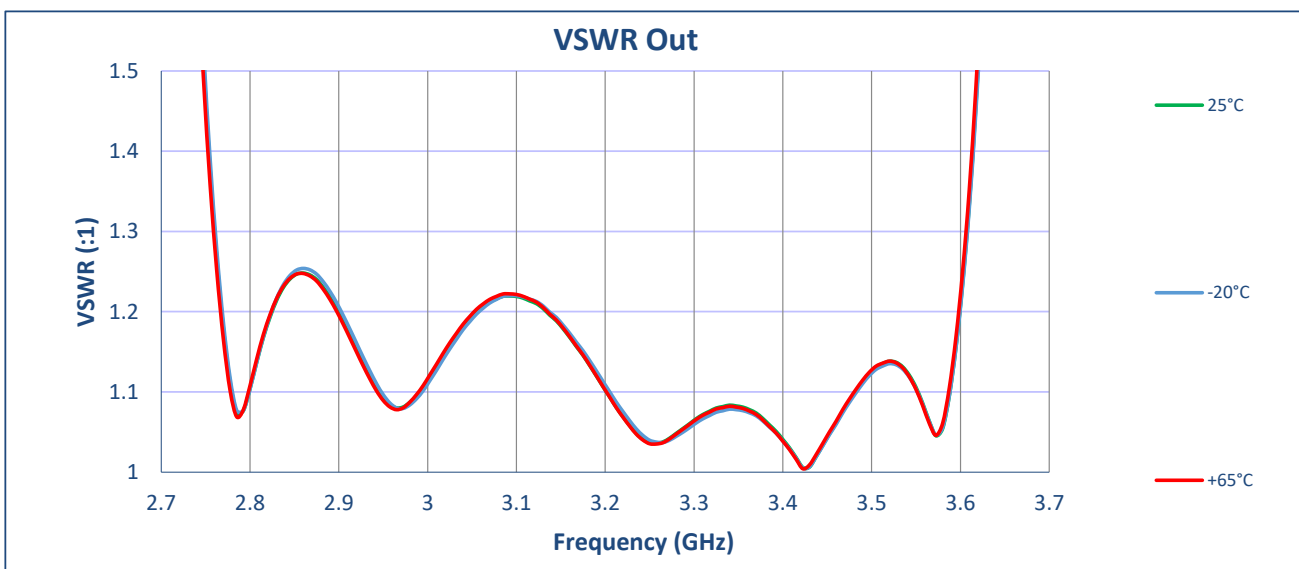
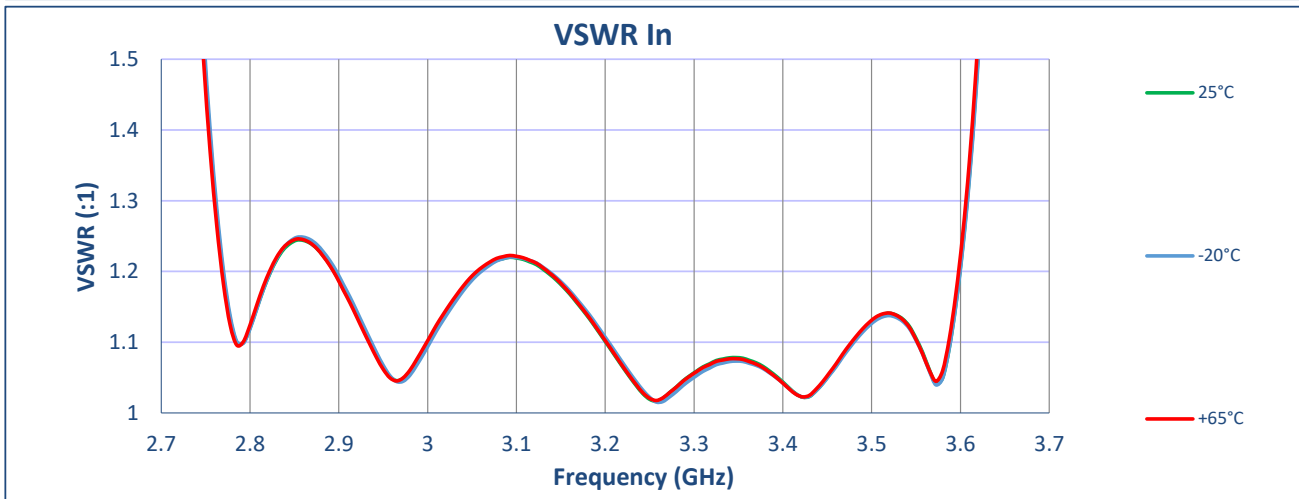
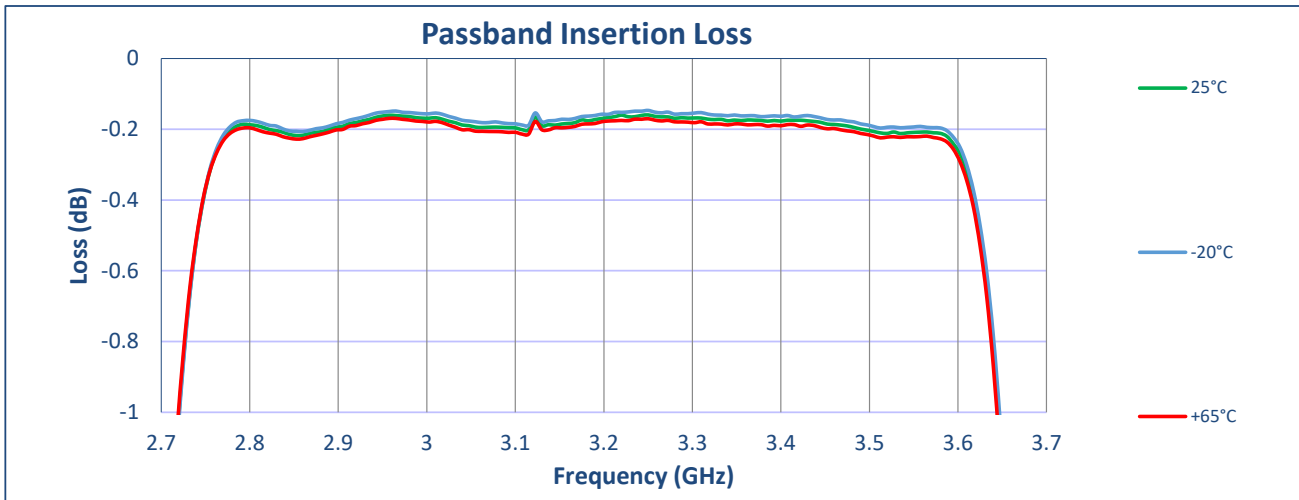
| | | | | | |
|---|---------|--|------|---|--|
| <small>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED</small> | | PART NO. <small>APPROVALS DATE</small> <small>DRAWN S LANGE 8/9/2024</small> <small>REDRAWN</small> <small>ISSUED</small> | | Quantic PMI <small>7309-A GROVE ROAD FREDERICK, MD 21704 USA WEB: WWW.QUANTICPMI.COM EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED</small> | |
| MATERIAL: FINISH: | | DESCRIPTION: BPF-3D2G-0D8G-SFF SERIAL NO. R150000/XXXX CAGE 05XG00 | | TITLE BPF-3D2G-0D8G-SFF FROM NO. 05XG00 DWG NO. 27049720 SCALE 2:1 | |
| NEXT ASBY | USED ON | APPLICATION | REV. | SHEET 1 OF 1 | |

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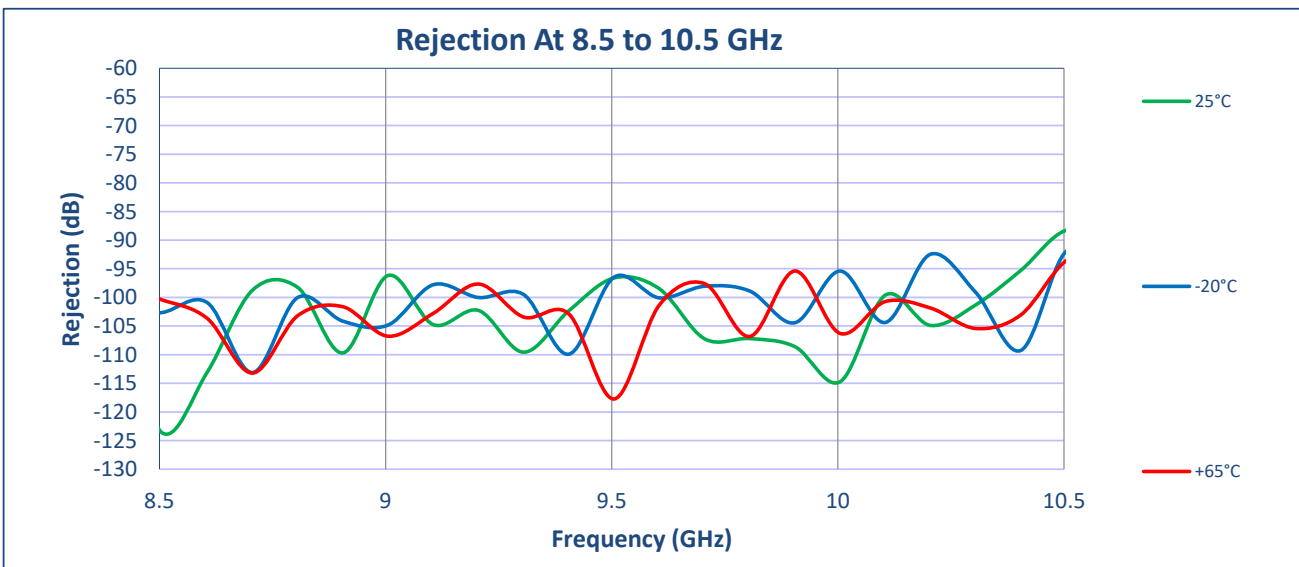
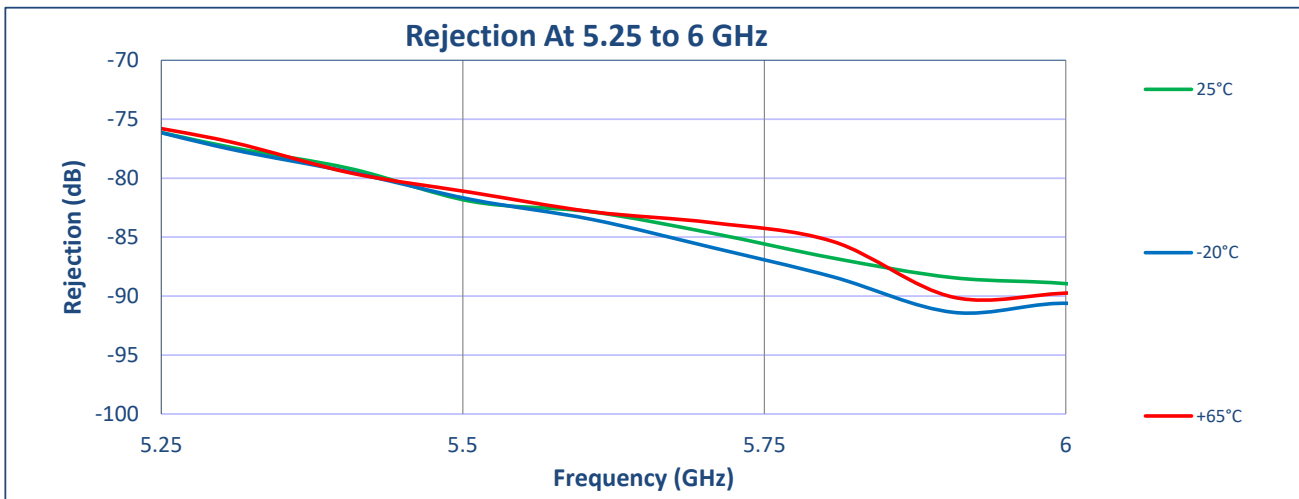
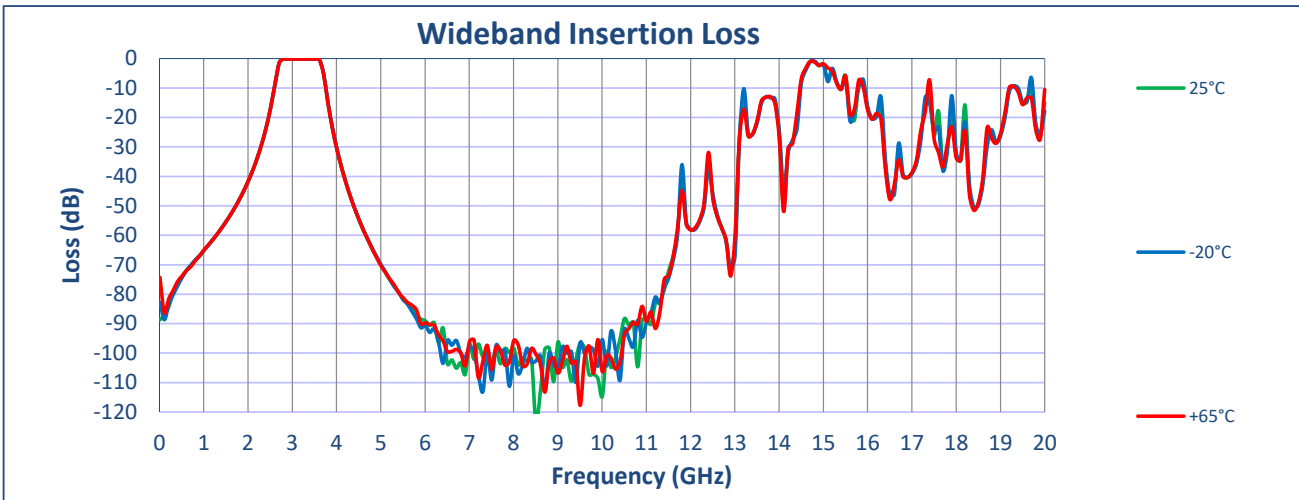
TEST DATA

| TEST ITEM | PARAMETERS | SPECIFIED VALUE | TEST RESULTS | | |
|-----------|---------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | | | 25°C | -20°C | +65°C |
| 1 | Passband Frequency Range | 2.8 GHz to 3.6 GHz | 2.72 to 3.65 GHz 1 dB Passband | 2.72 to 3.65 GHz 1 dB Passband | 2.72 to 3.65 GHz 1 dB Passband |
| 2 | VSWR | 1.4:1 Max. | 1.25:1 | 1.25:1 | 1.25:1 |
| 3 | Insertion Loss (Passband) | 0.7 dB Max. | 0.27 dB | 0.25 dB | 0.29 dB |
| 4 | Rejection | 40 dB Min. 5.25 GHz to 6 GHz | 75.1 dB | 75.1 dB | 75 dB |
| 5 | Rejection | 50 dB Min. 8.5 GHz to 10.5 GHz | 88.3 dB | 92 dB | 93.6 dB |

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