



SUMMARY TEST DATA ON P2T-8G12G-40-R-570-TFF-1D5KW-120W

Customer: _____
 SO No: _____
 Model No: P2T-8G12G-40-R-570-TFF-1D5KW-120W
 Serial No: PL33126/2130

Tested By: A. Lopez
 Temperature: +25°C
 Date: 7/28/2021
 Drawing No: 27640960 Rev: A1

CONTROL: SINGLE TTL (TTL "0" J1-J3 "LOW LOSS") .

J4 CONNECTIONS

| PIN | CONNECT TO |
|-----|---------------------|
| 1 | U1 -70V |
| 2 | GROUND |
| 3 | U1 IN2, 2 (CTRL J3) |
| 4 | U1 +5V |
| 5 | U1 IN1, (CTRL J2) |

| PIN | CONNECT TO |
|-----|------------|
| 6 | U1 GROUND |
| 7 | U1 GROUND |
| 8 | U1 GROUND |
| 9 | U1 GROUND |

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | TEST RESULTS | QA QC | |
|---------------|------------------|--------------------------------------------------------------------|------------------------------------------------|-------------|-------------|
| | | | +25°C | | |
| 1 | Frequency Range: | 8.0 to 12.0 GHz | 8.0 to 12.0 GHz | PM1 QA 2 | |
| 2 | Power: | 120W CW | Pass 126W CW See Typical Characteristics | | |
| 3 | Power: | 1.5KW | See Typical Characteristics | | |
| 4 | Duty Cycle: | 8% | See Typical Characteristics | | |
| 5 | Insertion Loss: | 2.0dB Max. | 1.35 dB See Graph | | |
| 6 | Isolation: | 40dB Typ. | 44.32 dB See Graph | | |
| 7 | Pulse Width: | 250 µs. Max. | See Typical Characteristics | | |
| 8 | Switching Speed: | 1.25 µs Max, 1.1 µs Typ, (50% TTL to 90% RF and 50% TTL to 10% RF) | See Typical Characteristics | | |
| 9 | VSWR in/out: | 1.80:1 Max | 1.7:1 See Graph | | |
| 10 | Load VSWR: | Better than 1.5:1 | See Typical Characteristics | | |
| 11 | Power Supply: | +5 VDC @ 300 mA -70 VDC @ 60 mA | +5 VDC @ 157 mA -70 VDC @ 20 mA | | PM1 QA 2 |

QA/QC Approval:

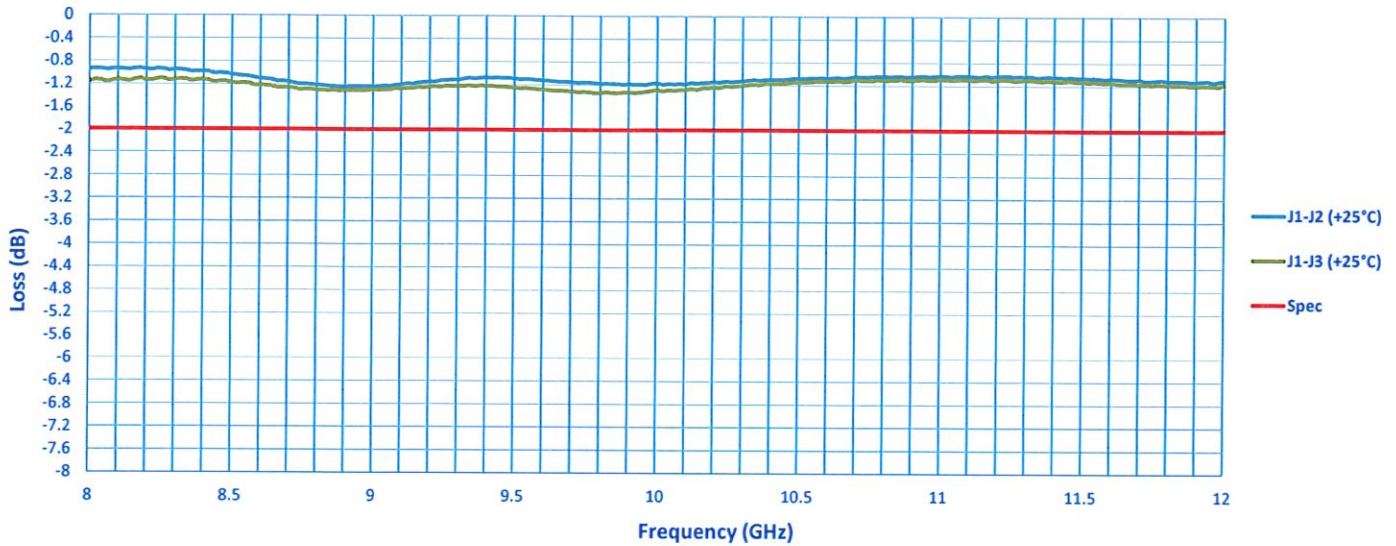
PMI
QA 2

Date: 7/29/2021

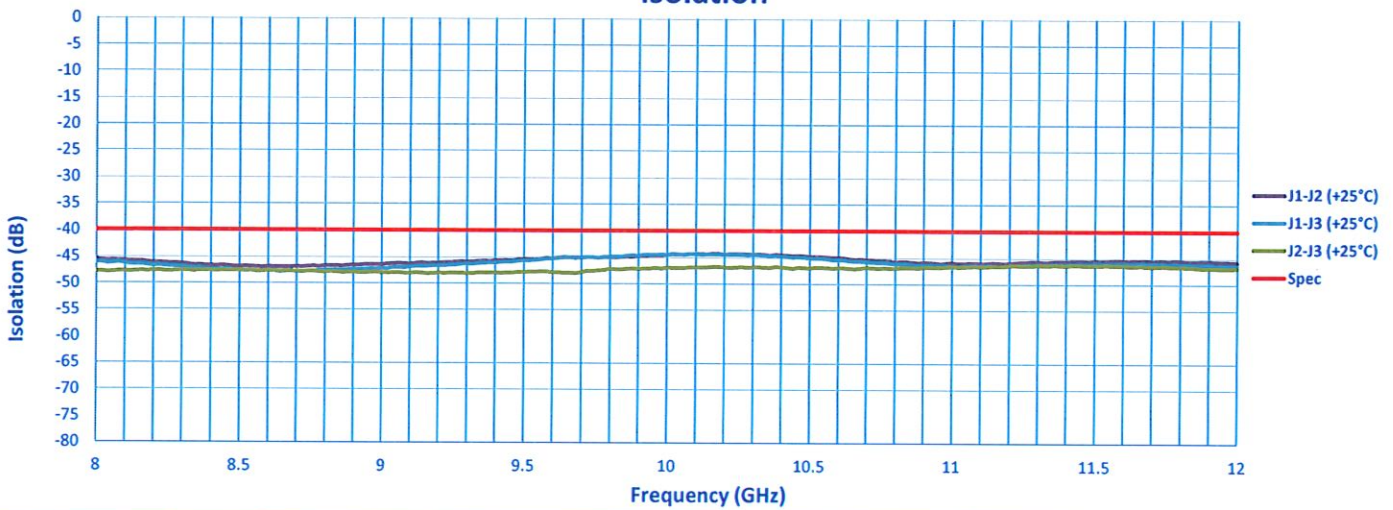


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Insertion Loss



Isolation



VSWR

