

| | Range | Units | Notes |
|--|--|----------------|--|
| Electrical Specifications | | | |
| Frequency ¹ | 5.850-6.425 | GHz | |
| Gain | 54 min., 56 typ. | dB | |
| Gain Flatness | | | |
| Full Band | +/-1.5 max. | dB | |
| Per 40 MHz Segment | +/-0.20 | dB | |
| Gain Stability vs. Temperature | +/-2.0 | dB | |
| P _{1dB} ^{1,2} | | | |
| -052 | +51.2 min., 51.5 typ. | dBm | |
| -053 | +52.2 min., 52.5 typ. | dBm | |
| P _{sat} ^{1,2} | | | |
| -052 | +52 typ. | dBm | |
| -053 | +53 typ. | dBm | |
| Third Order Intermodulation Distortion | -25 max. | dBc | @3 dB backoff relative to rated P _{1dB} |
| Input VSWR | 1.35 max. | :1 | |
| Output VSWR | 1.30 max. | :1 | |
| Power Requirement | | | |
| Input Voltage | +11.5 to +13 | vdc | |
| Current | | | |
| -052 | 62 nom. | A | |
| -053 | 74 nom. | A | |
| Mechanical Specifications | | | |
| Outline | 5.0 x 15.25 x 1.53 (127 x 387 x 38.9) | inches (mm) | L X W X H |
| Weight (approximate) | 6.6 (3.0) | lbs. (kg) | |
| Connectors | | | |
| RF Input | SMA | Female | N option |
| RF Output | CMR137 WG Flange | | |
| Power | Threaded RFI Filter | | |
| Fault/Control | MS3112E12-8P or 15 Pin D | | Option |
| Environmental | | | |
| Operating Temperature | -40 to +60 | °C | |
| Humidity | 100 | % | without condensation |

Notes:

- Extended band (5.85-6.725 GHz, S51403 series) available.
- Linearly derate by 1.0 dB from 6.425 to 6.725 GHz with extended band option.

Options:

- Option 4: Detected RF Output (+4 V nom. @ P_{1dB})
Option 5: RF Sample Port (-40 dBc nom., SMA)
Option 6: Manual Gain Adjust (20 dB range, continuous)

Specifications are subject to change at the discretion of Locus Microwave, Inc.

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