



Wideband GaN Amplifiers Modules

STANDARD MODELS

| Model      | Frequency Range | Output Power              | Input Power               | Small Signal Gain | Gain Flatness    | Gain Adj             | Input VSWR |
|------------|-----------------|---------------------------|---------------------------|-------------------|------------------|----------------------|------------|
|            | GHz             | min<br>W                  | max<br>dBm                | min<br>dB         | max<br>dB        | max<br>dB            | typ / max  |
| MTM0911-50 | 9 ... 11        | 50                        | 0                         | 49                | ±3               | NA                   | 1.5/2      |
| Model      | Output VSWR     | 2nd Harmonic Power @ Psat | 3rd Harmonic Power @ Psat | Spur @ Psat       | IM3              | Noise Floor          | Stability  |
|            | typ / max       | typ / max<br>dBc          | max<br>dBc                | typ / max<br>dBc  | typ / max<br>dBc | typ / max<br>dBm/MHz | yes / no   |
| MTM0911-50 | 2/2.5           | -30/-25                   | -25                       | -65/-60           | 23/17            | -45/-40              | Y          |
| Model      | VSWR Load       | Line Power                |                           |                   |                  |                      |            |
|            |                 | VA                        |                           |                   |                  |                      |            |
| MTM0911-50 | 3               | 600                       |                           |                   |                  |                      |            |

STANDARD SPECIFICATIONS

Overdrive Protection: up to 0 dBm for no damage  
 Input Impedance: 50 Ohm nominal  
 Output Impedance: 50 Ohm nominal  
 Noise Figure: 20 dB max.  
 Class of Operation: AB-linear

GENERAL

RF Input: SMA-f;  
 RF Output: SMA-f;  
 Mains Supply: <600 VA DC 28V  
 Ambient Temperature: 0 ... +45 °C  
 Storage Temperature: -20 ... +65 °C

Relative Humidity: up to 95% (non-condensing)  
 Operating Altitude: up to 2000 m above sea level  
 Vibration and Shock: normal laboratory environment