MEC 5508
Continuous Wave TWT
6.0 GHz – 18.0 GHz

- 150 W Minimum Power
- 6.0 to 18.0 GHz
- -40° to 85° C
- 840 W Typ. Prime Power
- 26-27.5 dB Typical Gain
- 11.05” L x 1.47” W x 2.8” H (28.1 x 3.73 x 7.2 cm)

**Specifications**
- **Typical Operating Conditions**
  - **Element**: Heater, Helix, Cathode (Ek), Collector w/RF
  - **Voltage**: -6.1 Vdc, -6.1 Vdc, -6.7 kV, 5.03 kV, 3.35 kV, 1.88 kV
  - **Current**: 0.54 A, 2 mA pk, 250 mA, 42 mA, 122 mA, 84 mA

- **Power Supply Requirements**
  - **Voltage Min.**: -6.0 Vdc, -10 Vdc, -1600 Vdc
  - **Voltage Max.**: -6.6 Vdc, -60 V, -1700 Vdc
  - **Current Max.**: 1.0 A, 10 mA pk, 270 mA

- **RF Performance**
  - **Freq (GHz)**
  - **Typ. Sat. Power Output (W)**
  - **Min. Spec. Power Output (W)**
  - **Typ. Gain @ Spec. Power (dB)**

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<td>7.0</td>
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<td>9.0</td>
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<td>18.0</td>
<td>220</td>
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*Typical power output is shown to illustrate capability. Typical gain shown is with equalizer.*

**Cathode voltage is measured with respect to ground.**
**Heater, Collector, and Grid voltages are measured with respect to Cathode.**

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Specifications are subject to change without notice.

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