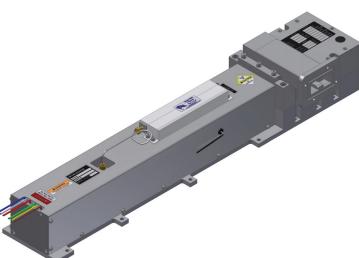
## **MEC 3119 Pulse TWT** 6.0 GHz - 8.0GHz

- 4% Maximum Duty
- 7000 W<sub>pk</sub> Minimum Power
- 6 to 8 GHz
- -40° to 85° C
- 900 W<sub>pk</sub> Typ Prime Power @ 4%
- 160 µS PW Max
- 42 dB Typical Sat. Gain
- 22.27" L x 5.54" W x 4.34" H (56 x 14 x 11 cm)



x. Current Max.
3.0 A
800 mApk
800 mApk
30 mApk
1 mA
3000 mApk
700 mApk
1200 mÁpk
2700 mApk

## Tun Sat

**RF Performance** 

Freq (GHz)	Power Output (W)	Power Output (W)	@ Sat. Power (dB)
6.0	8500	7000	42
6.5	8800	7000	42
7.0	8900	7000	43
7.5	8500	7000	42
8.0	7500	7000	41

Min Snoo

Typical power output is shown to illustrate capability. Typical gain shown is without equalizer.

Performance	Typical	Spec
Input VSWR:	1.3:1	1.6:1
Output VSWR	1.6:1	2.0:1
Max. Duty		4%
Max. Pulsewidth	160 µs	160 µs
Grid Capacitance	55 pF	65 pF max.
Noise Power Density		
(dBm/MHz)	22	20
Prime Power @ 4%		

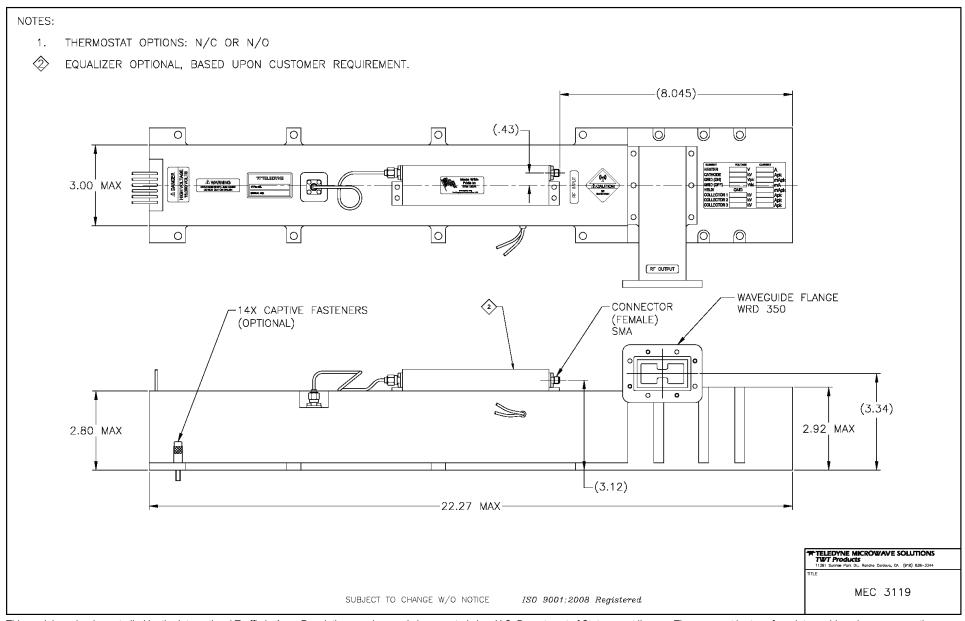
Specifications are subject to change without notice.

Cathode voltage is measured with respect to ground.

Heater, Collector, and Control Grid voltages are measured with respect to Cathode.

This model number is controlled by the International Traffic in Arms Regulations, and can only be exported via a U.S. Department of State export license. They may not be transferred, transshipped on a non-continuous voyage, or otherwise be disposed of in any other country, either in their original form or after being incorporated into other end-items, without the prior written approval of the U.S. Department of State. Published Information - Cleared for Public Release by the DoD's Office of Security Review, Case 14-S-0142.





This model number is controlled by the International Traffic in Arms Regulations, and can only be exported via a U.S. Department of State export license. They may not be transferred, transshipped on a non-continuous voyage, or otherwise be disposed of in any other country, either in their original form or after being incorporated into other end-items, without the prior written approval of the U.S. Department of State. Published Information – Cleared for Public Release by the DoD's Office of Security Review, Case 14-S-0142.



Teledyne TWT Products • 11361 Sunrise Park Drive • Rancho Cordova, CA 95742 • 916.638.3344 • www.teledynemicrowave.com