

### C, X, Ku-Band Mini Helix Traveling-Wave Tube



#### UNIQUE FEATURES:

- 95, 100, 140 W
- 5.85 - 14.50 GHz
- PPM Focusing
- Coaxial Input and Output
- Connectors: SMA / TNC
- Any Mounting Position
- Weight: 2 lbs. max
- Conduction Cooled

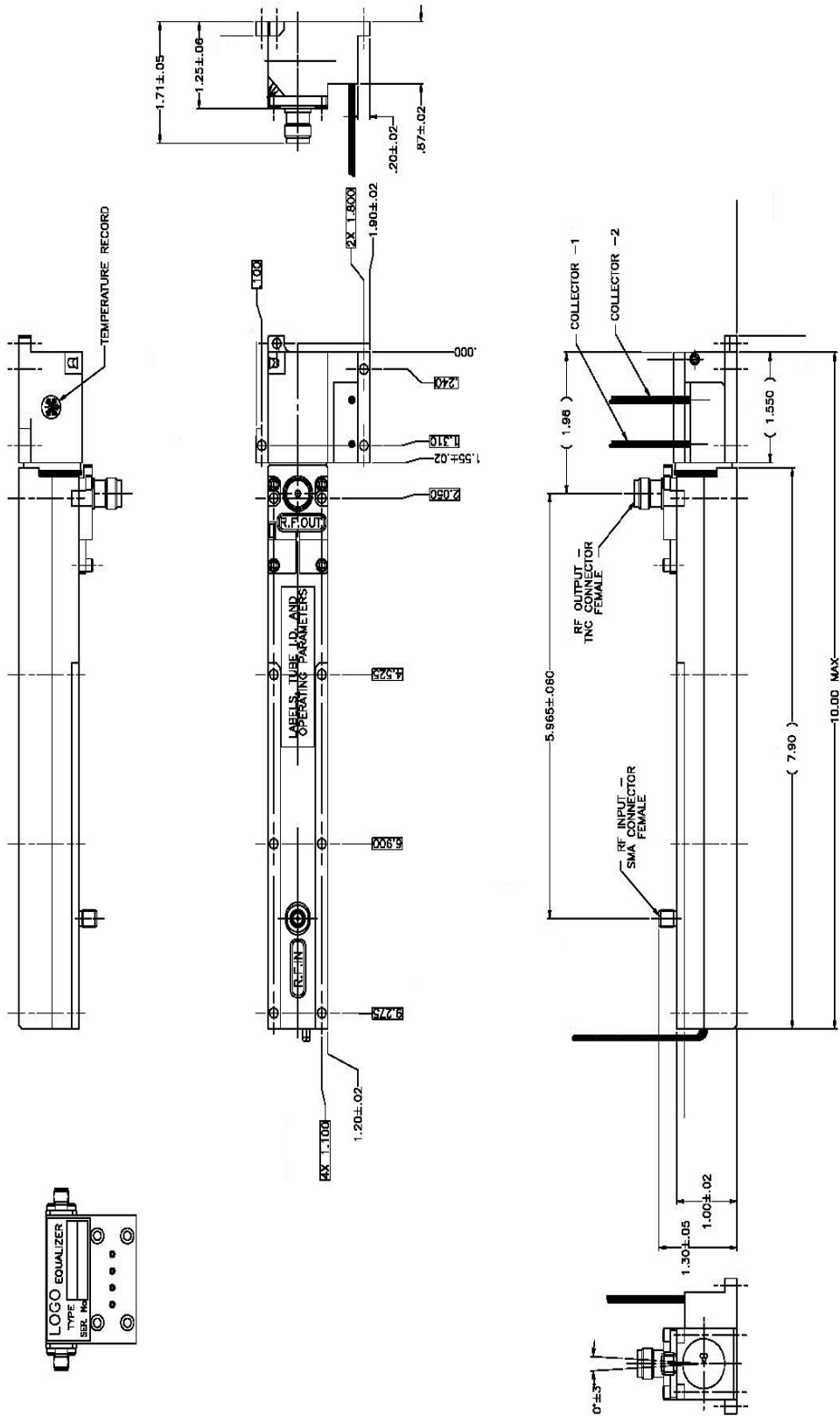
**CUSTOM CONFIGURATIONS:** Custom configurations are also available. These variations in the performance and configuration include:

- mechanical configurations
- electrical and RF connections
- dual-stage depressed collector

MODEL	FREQUENCY (GHZ)	POWER OUTPUT (MIN)
VTM-6199C4	5.850 - 6.425	100 W
	7.900 - 8.400	140 W
	14.00 to 14.50	95 W

#### TYPICAL OPERATING PARAMETERS

	MINIMUM	MAXIMUM	TYPICAL	UNITS
Filament Voltage:	---	6.0		V
Filament Current:	0.5	1.3		A
Collector Voltage 1:	55% Ew	65% Ew		Vdc
Collector Voltage 2:	35% Ew	45% Ew		Vdc
Cathode Current:	185	220		mAdc
Helix Voltage:	4600	5100		Vdc
Helix Current:	---	15		mAdc



**Microwave Power  
Products Division**  
tel: +1 650-846-2800  
email: MPPmarketing@cpii.com  
web: www.cpii.com/mpp

For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

©2020 Communications & Power Industries LLC. Company proprietary; use and reproduction is strictly prohibited without written authorization from CPI.