250 W L-Band Helix TWT Series

250 W, CW Helix TWT Series, 1.0 GHz to 2.8 GHz, Periodic-Permanent, Magnet Focused, Coaxial Input and Coaxial Output, and Conduction Cooled.

Custom configurations are also available. These variations in the performance and configuration include: mechanical configuration, electrical and RF connections, & dual stage depressed collector.



Model Number	Frequency (GHz)	Power Output (Min.)
VTL-6242L2Z	1.0 – 2.8	250 W

Features

- 250 Watts
- 1.0 GHz – 2.8 GHz
- PPM Focusing
- Coaxial Input
- Coaxial Output
- Any Mounting Position
- Weight: 20 lbs. Max
- Conduction Cooled

Operating Parameters

	Heater Voltage	Heater Surge Current	Helix Voltage	Cathode Current	Collector Voltage	Helix Current
Parameters:	Ef	If	Ew	Ik	Eb	Iw
Units:	Vdc	Adc	Vdc	mAdc	Vdc	mAdc
Maximum:	6.6	5.0	3900	600	3900	65
Minimum:	6.0	- - -	3100	- - -	Ew	- - -

	Drive Power	Cathode Warm-up Time	Load VSWR	Load VSWR To Base
Parameters:	Pd	tk		
Units:	mW	minutes		°C
Maximum:	500	- - -	2.0	100
Minimum:	- - -	3	- - -	- - -

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.

For additional information on CPI MPP products contact:
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ISO 9001