

# 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
<b>Parameters:</b>	Ef	If	Ew	Ik	Eb	Iw
<b>Units:</b>	Vdc	Adc	Vdc	mAdc	Vdc	mAdc
<b>Maximum:</b>	6.6	5.0	3900	600	3900	65
<b>Minimum:</b>	6.0	---	3100	---	Ew	---
	<b>Drive Power</b>	<b>Cathode Warm-up Time</b>	<b>Load VSWR</b>	<b>Load VSWR To Base</b>		
<b>Parameters:</b>	Pd	tk				
<b>Units:</b>	mW	minutes		°C		
<b>Maximum:</b>	500	---	2.0	100		
<b>Minimum:</b>	---	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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