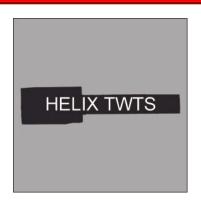


## 200 W Ku-Band Helix TWT Series

200 W, CW Helix TWT Series, 12.75 GHz to 14.50 GHz, Periodic-Permanent, Magnet Focused, Coaxial Input, Waveguide 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.



Maximum:

Minimum:

Model Number	Frequency (GHz)	Power Output (Min.)	
\/TLL6305D5	12 75 _ 1/ 50	200 W	

1.5:1

120

## **Features**

## 200 Watts

- 12.75 GHz 14.50 GHz
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Any Mounting Position
- Weight: 6 lbs. Max
- Conduction Cooled

## **Operating Parameters**

Parameters: Units: Maximum: Minimum:	Heater Voltage Ef V 6.6 6.0	Heater Surge Current If A 5.0	Helix Voltage Ew kVdc 8.9 8.2	Collector Voltage 1 Eb1 kVdc 0.52 Ew 0.48 Ew	Collector Voltage 2 Eb2 kVdc 0.34 Ew 0.30 Ew	Cathode Current Ik mAdc 240
Parameters:	Helix Current lw	<b>Drive</b> <b>Power</b> Pd	Power Time VSWR		Baseplate Temperature	
Units	m∆dc	m\//	minutes		°C	

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.

