Mini DBS-Band Helix TWT

VTU-6199C2 is CW Helix TWT, 17.3 – 18.1 GHz, 18.1 – 18.4 GHz, Periodic-Permanent, Magnet Focused, SMA Input & TNC Output RF Connection, Conduction Cooled, Metal/Ceramic Construction. Tube with Equalizer.

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

PICTURE

Model Number	Frequency (GHz)	Power Output

Features

- 125 Watts
- 17.3 GHz – 18.1 GHz
  18.1 GHz – 18.4 GHz
- PPM Focusing
- SMA Input
- TNC Output RF Connection
- Any Mounting Position
- Weight: 20 oz. max.
- Conduction Cooled

Operating Parameters

	Helix	Cathode	Collector 1	Collector 2	Heater
Parameters:					
Units:	Vdc	mA	Vdc	Vdc	Vdc mA
Maximum:	5100	220	65% x Ew	45% x Ew	6.3 1.3
Minimum:	4800	180	50% of Ew	20% x Ew	5.7 .5
Typical:	4900	190	55% x Ew	35% x Ew	6.0 1.0

	Helix	Prime Power
Parameters:		
Units:	mA	Watts
Maximum:	12	550
Minimum:	0	
Typical:	10	

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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