

400 W, C-Band Helix TWT Series

400 Watt, 5.75 - 6.525 GHz, CW traveling wave tube, periodic-permanent-magnet focused, coaxial input, waveguide output, conduction cooled.

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



FEATURES

- 400 Watt
- 5.725 - 6.525 GHz
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Weight: 7.5 lbs. max
- Conduction Cooled

| MODEL | FREQUENCY (GHZ) | POWER OUTPUT (MIN) |
|------------|--------------------|-----------------------|
| VTC-6265M6 | 5.725 - 6.525 | 400 W |

| TYPICAL OPERATING PARAMETERS | | | | |
|------------------------------|---------|---------|--------------------|---------|
| | MAXIMUM | MINIMUM | TYPICAL (400 W) | UNITS |
| Filament Voltage: | 6.5 | 6.1 | --- | Vdc |
| Filament Current (Surge): | 5 | --- | --- | A |
| Helix Voltage: | 9.3 | 8.6 | --- | kVdc |
| Helix Current: | 15 | --- | --- | mA |
| Collector Voltage 1: | .52 Ew | .48 Ew | --- | kVdc |
| Collector Current 1: | --- | --- | --- | mAdc |
| Cathode Current: | 310 | --- | --- | mAdc |
| Collector Voltage 2: | .34 Ew | 30 Ew | --- | kVdc |
| Collector Current 2: | --- | --- | --- | mAdc |
| Cathode Warm-up Time: | --- | 3 | --- | Minutes |
| Drive Power: | 10 | --- | --- | mW |
| Baseplate Temp: | 120 | --- | --- | °C |
| Prime Power: | --- | --- | --- | Watts |
| Load VSWR: | 1.5:1 | --- | --- | VSWR |

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 information on this and other CPI products, visit our website at: www.cpii.com, or contact: CPI MPP Division, 607 Hansen Way, Palo Alto, CA 94303

TELEPHONE: 1(800) 414-8823. FAX: (650) 856-0705 | EMAIL: marketing@cpii.com