

1200 W, Peak, Air Cooled Ku-Band Helix TWT

1200 Watt peak, 600 Watt average,
13.75 - 14.50 GHz CW high efficiency traveling wave tube, coaxial input, waveguide output, air cooled.



FEATURES

- 1200 Watt Peak 600W Average
- 13.75 GHz - 14.50 GHz
- Coaxial Input
- Waveguide Output
- Weight: 25 lbs. max
- Air Cooled

| MODEL | FREQUENCY (GHZ) | POWER OUTPUT (MIN) |
|-------------|-----------------|----------------------------|
| VTU-6397V1A | 13.75 - 14.5 | 1.2 kW, Peak, 600 W Avg |

| TYPICAL OPERATING PARAMETERS | | | | |
|------------------------------|---------|---------|-----------------|---------|
| | MINIMUM | MAXIMUM | TYPICAL | UNITS |
| Filament Voltage: | 6.2 | 6.4 | 6.3 | Vdc |
| Filament Current: | 1.0 | 1.8 | 1.5 | A |
| Helix Voltage: | 14.3 | 15.3 | 14.8 | kV |
| Helix Current: | --- | 10.0 | 3.0 | mA |
| Collector Voltage 1: | 51.0 | 53.0 | 52.0 | % |
| Collector Current 1: | --- | 350 rf | 50 dc / 250 rf | mA |
| Collector Voltage 2: | 12.0 | 14.0 | 13.0 | % |
| Collector Current 2: | --- | 580 | 550 dc / 300 rf | mA |
| Cathode Warm-up Time: | 3.0 | --- | --- | Minutes |
| Drive Power: | --- | 18 | 10 | dBm |
| Prime Power: | --- | 2300 | 2150 | Watts |
| Thermal Dissipation | --- | 1675 | 1550 | Watts |
| Load VSWR: | --- | 1.2 | 1.1 | 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

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