

Millimeter Wave Coupled Cavity TWT



The VTA-6430A Series are 500W CW Coupled Cavity TWT's covering 27.5 - 31.0 GHz (Ka-Band) with 2 GHz instantaneous bandwidth, periodic-permanent-magnet focused, waveguide input, waveguide output, conduction cooled. This high-efficiency CC TWT is designed for use in satellite communication amplifiers Custom configurations are also available. These variations in the performance and configuration include: mechanical configuration, electrical and RF connections, and cooling method (affects average power level). Millimeter Wave Coupled Cavity TWT Series CPI | 4CW50,000J 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 CPI 10/09 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. CPI | Millimeter Wave coupled cavity twt series Features • 500 Watt CW • 27.5 - 31.0 GHz • 2 GHz Instantaneous Bandwidth • PPM Focusing • Waveguide Input and Output (WG-28 Compatible with UG-599/U) • Vertical or Horizontal Mounting Position • Weight: 10 lbs. • Conduction Cooled

Filament Voltage: 6.4 6.2 --- V dc
Filament Current: 1.6 (Surge: 5.0) 1.0 --- A dc
Focus Electrode Voltage: -6.3 -100 --- V dc
Beam Voltage: 14.5 13.5 --- kVdc
Cathode Current: 350 --- --- mA dc
Body Current 6.0 --- --- mA dc
Collector Voltage 1: 36.0 34.0 --- % of Ew
Collector Current 1: 100 --- --- mA
Collector Voltage 2: 13.5 11.5 --- % of Ew
Collector Current 2: 350 --- --- mA
Filament Warm-up Time: 3.0 --- --- Minutes

 **SatelliteDish.com**® (954) 941-8883