



400 Watt, 5.85 - 7.10 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
- 5.85 GHz - 7.10 GHz
- PPM Focusing
- Coaxial Input
- Waveguide Output
- Weight: 7.5 lbs. max
- Conduction Cooled

model Frequency Power output (GHz) (min)

VTC-6265E1 5.85 - 6.65 400 W

VTC-6265M1 5.85 - 6.65 400 W

VTC-6265M1X 5.85 - 7.10 400 W

Filament Voltage: 6.3 5.9 --- V Filament Current (Surge): 5 --- --- A Helix Voltage: 9.3 8.6 --- kVdc
Helix Current: 15 --- --- mAdc 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 --- M inutes Drive Power: 10 --- --- mW
Baseplate Temp: 120 --- --- °C Prime Power: --- --- --- Watts Load VSWR: 1.5:1 --- --- VSWR