



# 750 W, C-Band Helix TWT Series

750 Watt, 5.85 - 7.10 GHz, CW traveling wave tube, 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

- 750 Watt
- 5.85 GHz - 7.10 GHz
- Coaxial Input
- Waveguide Output
- Weight:
- Conduction Cooled

MODEL	FREQUENCY (GHZ)	POWER OUTPUT (MIN)
VTC-6362A8	5.85 - 7.1	750 W

TYPICAL OPERATING PARAMETERS				
	MAXIMUM	MINIMUM	TYPICAL	UNITS
Filament Voltage:	6.4	6.2	6.3	Vdc
Filament Current:	1.8	1.0	1.4	A
Helix Voltage:	11.5	10.5	11.3	kV
Helix Current:	10.0	---	5.0	mA
Collector Voltage 1:	56	54	55	%
Collector Current 1:	320	---	320 rf, 40 dc	mA
Collector Voltage 2:	27.0	25.0	26.0	%
Collector Current 2:	460.0	---	460 dc, 460 rf	mA
Filament Warm-up Time:	---	3.0	---	Minutes
Drive Power:	20	---	17	dBm
Prime Power:	2200	---	2100	Watts
Thermal Dissipation:	1400	---	1250	Watts
Load VSWR:	1.2:1	---	1.17:1	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.



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