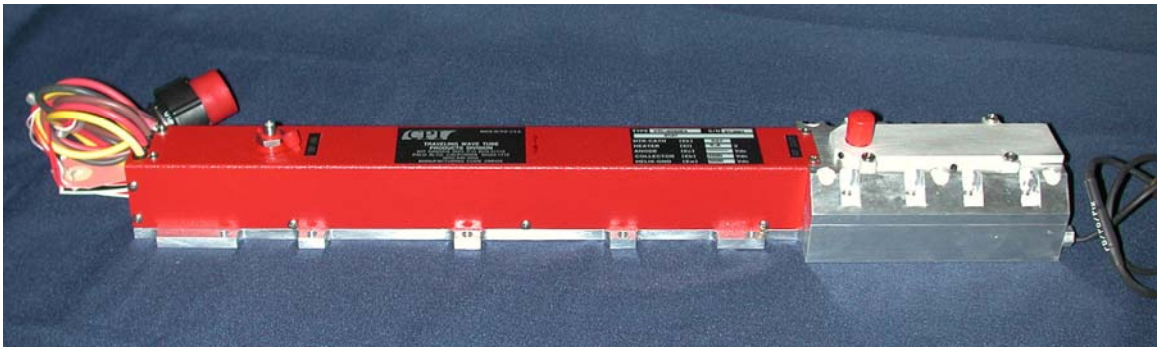
Communications & Power Industries
microwave power products division

VTC-6260E4: Helix TWT

VTC-6260E4 is a 125 W, CW Traveling-Wave Amplifier, 5.850 GHz to 6.425 GHz, Periodic-Permanent-Magnet Focused, Coaxial Input, Coaxial Output, and Conduction Cooled.

Custom configurations are also available. These variations in the performance and configuration include: cooling method (affects average power level), mechanical configuration, electrical and RF connections, & single stage depressed collector.



Features

- 125 Watts
- 5.850 GHz - 6.425 GHz
- PPM Focused
- Coaxial Input
- Coaxial Output
- Any Mounting Position
- Weight: 6 lb. maximum
- Conduction Cooled

Typical Operating Parameters

	Heater Voltage	Heater Surge Current	Helix Voltage	Collector Voltage	Cathode Current	Helix Current
Parameters:	Ef	If	Ew	Eb	Ik	Iw
Units:	V	A	kVdc	kVdc	mAdc	mAdc
Maximum:	6.1	5	6	4.0	180	15
Minimum:	5.5	- - -	5	2.8	- - -	- - -

	Drive Power	Cathode Warm-up Time	Load VSWR	Base Temperature	Environment
Parameters:	Pd	Tk			
Units:	mW	Minutes		°C	- - -
Maximum:	10	- - -	1.7:1	105	- - -
Minimum:	- - -	3	- - -	- - -	- - -

Test Conditions:				
	Ef	Ew	Eb	VSWR
	V	kVdc	kVdc	
	5.8	5.7	Ew/2	1.1:1 (nominal)

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.

ISO 9001
Certificate Number: 31274

For additional information on CPI MPP products contact:
CPI MPP, Helix TWT Operation - 811 Hansen Way, Palo Alto, CA 94303-0750
Phone: 650-846-3172, Fax: 650-494-8779, Email: marketing@mpp.cpii.com, www.cpii.com/mpp