25 W CW Helix TWT

Communications & Power Industries Helix Traveling Wave Tube



Custom configurations are also available. These variations in the performance and configuration include:

- mechanical configurations
- electrical and RF connections
- dual-stage depressed collector

	FREQUENCY	POWER OUTPUT	
	(GHZ)	(MIN)	
VTM-6196R5	4.0- 18.0	25 W	

FEATURES:

- 25 W
- 4.0 18.0 GHz
- PPM Focusing
- SMA Input & Output Connector
- Weight: 1.5 lbs. max
- Any Mounting Position
- Conduction Cooled

BENEFITS:

- High efficiency
- Less prime power required (due to multiple stage collectors)
- PPM focusing

APPLICATIONS:

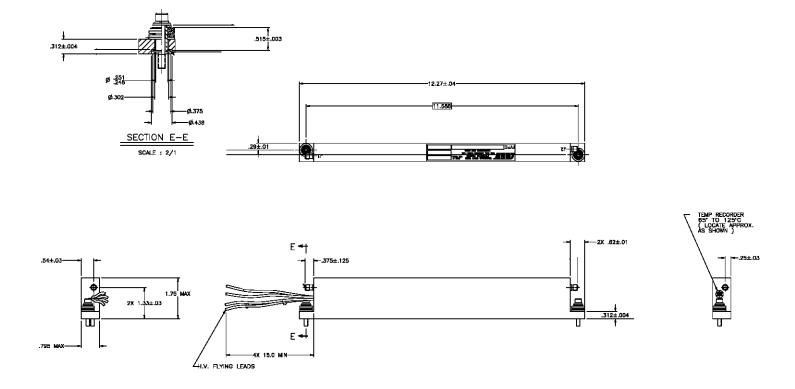
- Satellite uplinks
- Communications
- Instrumentation
- DBS (Direct Broadcast System)

TYPICAL OPERATING PARAMETERS

	Minimum	Maximum	Typical	Units
Heater Voltage:	6.0	6.6		V
Heater Surge Currer	nt:	1.3		А
Helix Voltage:	3900	4050		Vdc
Helix Current:		10		mAdc
Collector Voltage:		50% Ew		Vdc
Cathode Current:		150		mAdc
Cathode Warm-up Ti	ime: 2.0			Minutes
Drive Power:		10		mW
Heat Sink Temp:		95		°C
Load VSWR:		4.1		VSWR



CPI CW Helix Traveling Wave Tube: VTM-6196R1





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