

C-BAND KLYSTRONS VA888 TROPOSCATTER COMMUNICATIONS SERIES

The VA888 Klystrons Series are designed for use in *cost* effective ground communications systems which exploit the troposphere scattering effects at microwave frequencies.

These light-weight, space-saving klystrons are CW operation and tunable in the 4.4 to 5.0 GHz frequency range.

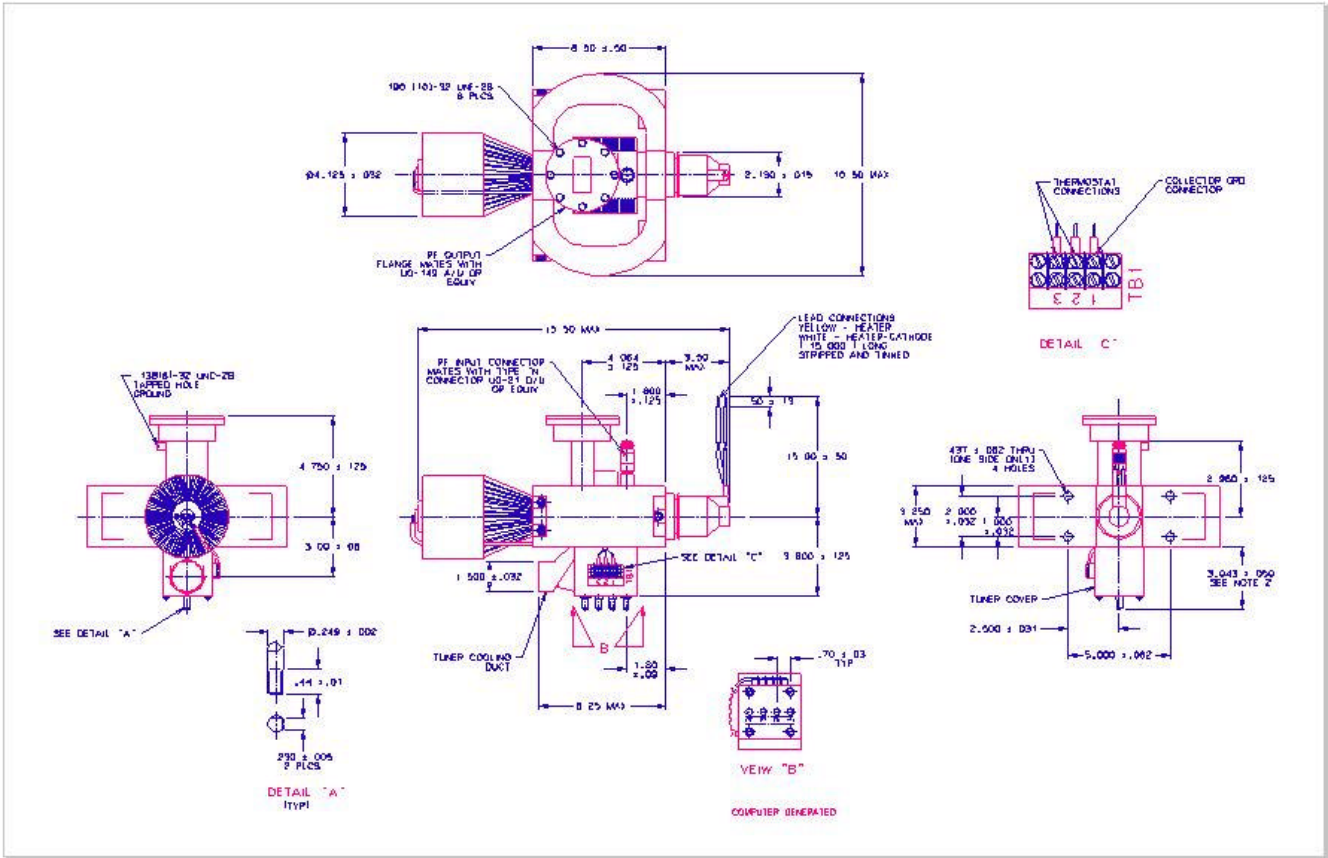


RF and Electrical Characteristics Frequency Range (Channel Centers)

Frequency Range	4.400 to 5.000 GHz
Instantaneous Bandwidth (-3 dB)	7 MHz
Output Power – minimum	1200 W
Gain – minimum	43 dB
Beam Voltage - maximum	7.5 kV
Beam Current – maximum	0.520 A (typical: 0.500A)
Heater Voltage – maximum	6.5 V
Heater Current – maximum	8.2 A (typical: 7.9 A)

Physical Characteristics

Dimensions	See outline drawings (back page)
Weight – approximate	38 lb (17 kg)
Operating Orientation	Any position
Cooling	Forced Air
Collector Flow – minimum	855 lb/h (393 kg/h)
Body Flow – minimum	90 lb/h (41 kg/h)
RF Connectors:	
Output: Mates with	UG149A/U or equivalent
Input: Mates with	Coaxial Type “N” plug, UG-21D/U or equivalent
Focusing	Integral permanent magnet



Communications & Power Industries

For complete information klystrons used in satellite communications, please contact your local CPI office, or CPI Canada Inc.

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