

# 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  
Instantaneous Bandwidth (-3 dB)  
Output Power – minimum  
Gain – minimum  
Beam Voltage - maximum  
Beam Current – maximum  
Heater Voltage – maximum  
Heater Current – maximum

4.400 to 5.000 GHz  
7 MHz  
1200 W  
43 dB  
7.5 kV  
0.520 A (typical: 0.500A)  
6.5 V  
8.2 A (typical: 7.9 A)

## Physical Characteristics

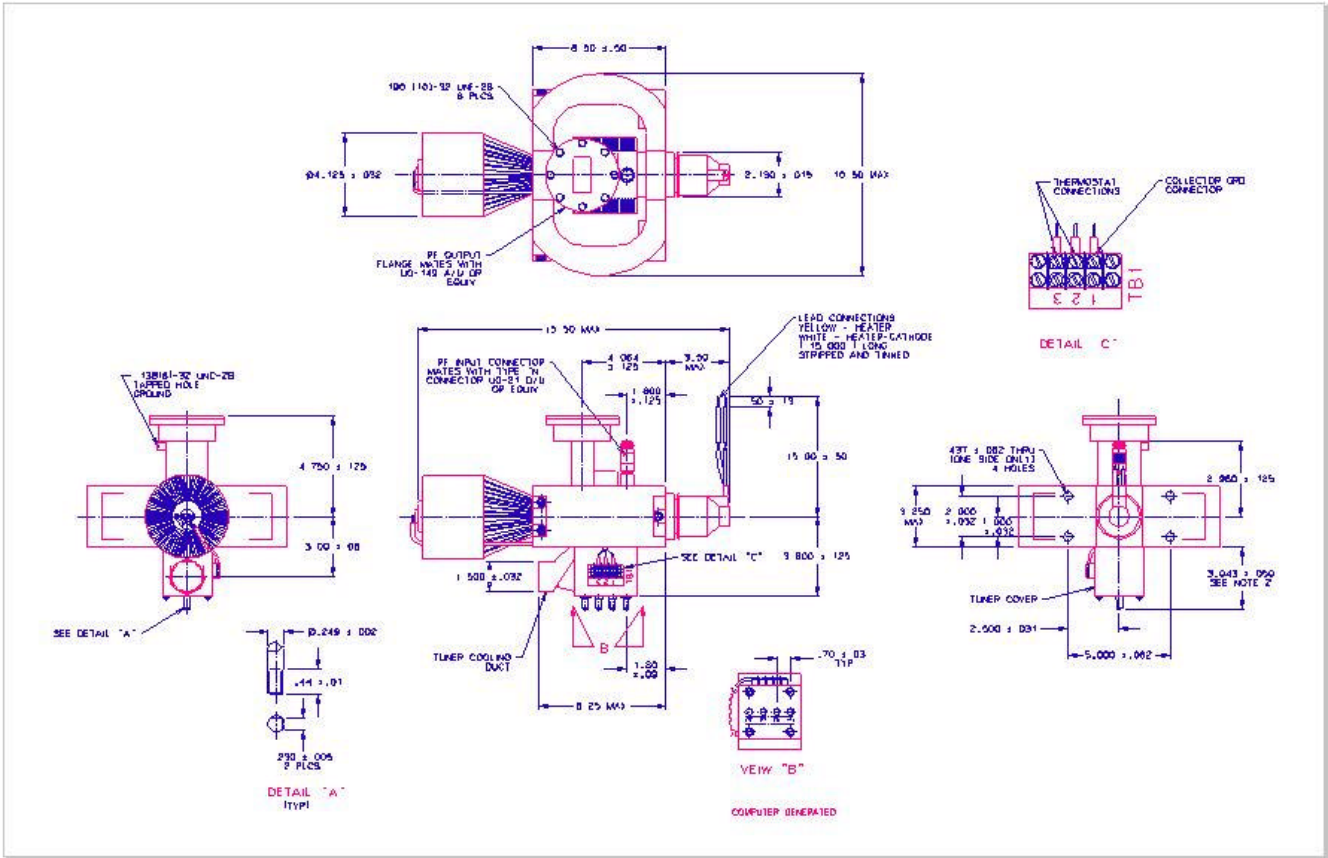
Dimensions  
Weight – approximate  
Operating Orientation  
Cooling  
Collector Flow – minimum  
Body Flow – minimum  
RF Connectors:

Output: Mates with  
Input: Mates with

Focusing

See outline drawings (back page)  
38 lb (17 kg)  
Any position  
Forced Air  
855 lb/h (393 kg/h)  
90 lb/h (41 kg/h)

UG149A/U or equivalent  
Coaxial Type "N" plug, UG-21D/U or equivalent  
Integral permanent magnet



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