

# 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:

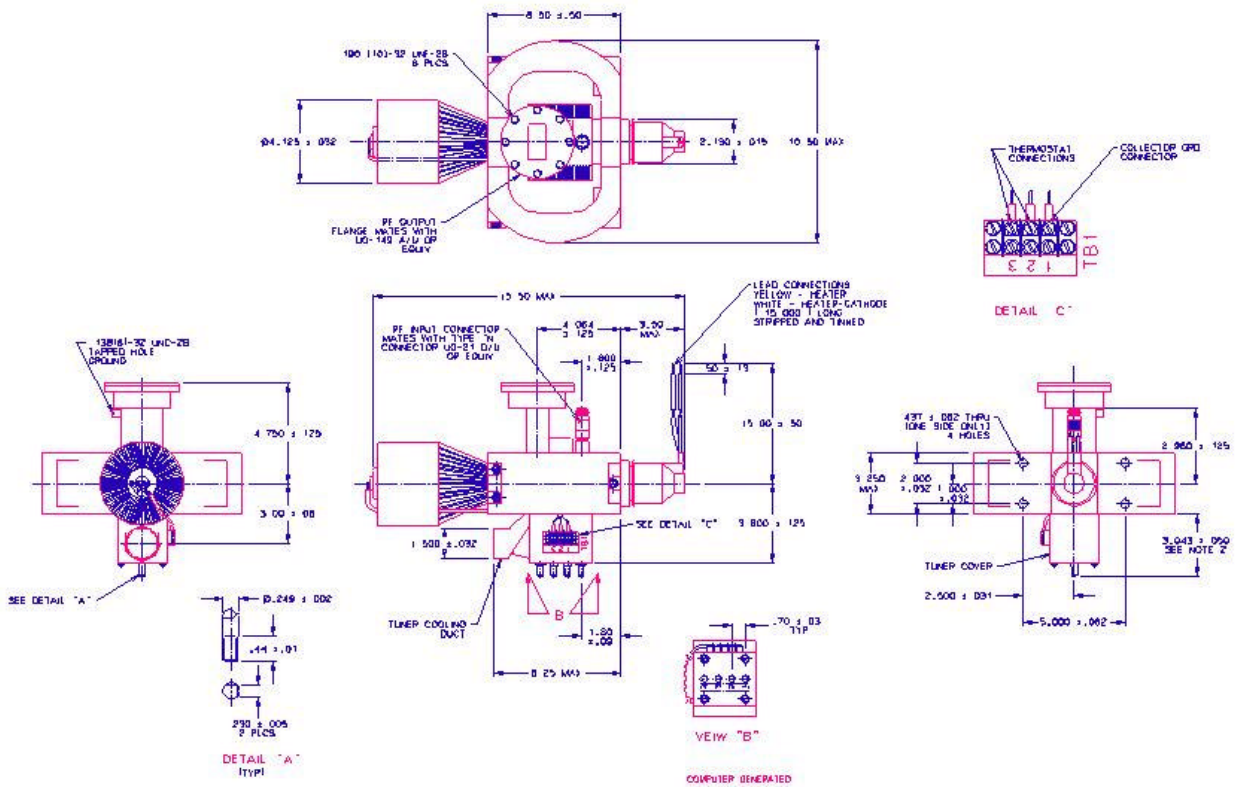
Output: Mates with  
Input: Mates with

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.

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