

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