## S-BAND KLYSTRON VKS2200 SERIES

The VKS2200 Klystron Series is designed for use in new or replacement communications systems. Typical applications include Satcom Uplink, TT&C and tropospheric scatter communications.

These modern compact and cost effective co-axial output, CW klystrons are tunable in the 1.7 to 2.4 GHz frequency range.

Two configurations are available. A manual tuner, with calibrated counters for easy recall of previously tuned channels, or a 50-channel Digital Fast Tuning System (DFTS), for applications requiring rapid or remote channel selection



Model	Frequency Range	Output Power
VKS2200C1	1.700 to 2.100 GHz	2000
VKS2200C2	1.750 to 1.850 GHz	2500
VKS2200C5	1.760 to 2.120 GHz	2500
VKS2200D2	1.97 to 2.230 GHz	2500
VKS2200D3	2.00 to 2.150 GHz	2500

Instantaneous Bandwidth (-1dB) 8 MHz
Gain – minimum 40 dB
Beam Voltage – maximum 8.8 kV
Beam Current – maximum 0.90 A

Other models are available, please call CPI for information



## **Physical Characteristics**

Dimensions See outline drawings
Weight (approx) 90 lb (41 kg)
Operating Orientation Collector up
Collector Cooling Forced Air
Integral permanent magnet

The VKS2200 series replaces the following model types;

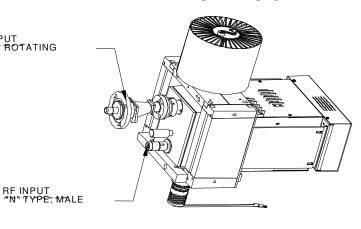
4K5SL-2 VKS7961A TH2500 4K5SL-3 VKS7961B TH2503 4K5SL-4 VKS7962A TH2451A 4K5SL-5 VKS7962B etc. 4K5SL-7

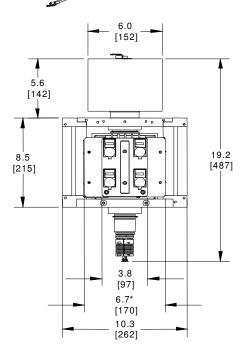


## **MANUAL TUNER VERSION**

RF OUTPUT EIA: 1: 55/8 ROTATING

## **DFTS VERSION**

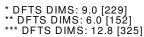




9.3 MAX\*\*\* [236 MAX] 9.0 [229] 5.5\*\* [140] 1.0 [25]

MANUAL TUNER SHOWN, DFTS DIMS NOTED.

NOTE: DIMENSIONS INCH [MM]





For complete information on the full VKS2200 Series and other klystrons used in satellite communications, please contact your local CPI office, or CPI Canada Inc.

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