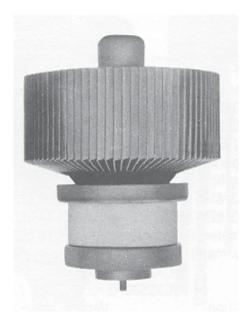




## 3CX1500C7/8938

The 3CX1500C7/8938 is a rugged coaxial base power triode designed for use as a cathode driven Class AB2 or Class C amplifier. It is recommended for VHF or UHF service as a linear amplifier, power amplifier, or pulse amplifier. Linearity and power gain are both excellent due to the low ratio of grid to plate current, and the relatively high amplification factor. Low grid interception of available emission current is due to the beam forming geometry of the special grid and cathode design.



## **CHARACTERISTICS**

Plate Dissipation (Max.)	1,500 Watts
Screen Dissipation (Max.)	
Grid Dissipation (Max.)	20 Watts
Frequency for Max. rating (CW)	500 MHz
Amplification Factor	125
Filament/Cathode	Oxide Coated
Voltage	5.0 Volts
Current	10.5 Amps
Capacitance	Grounded Grid
Input	35.5 pf
Output	12.4 pf
Feedthrough	.14 pf
Capacitance	
Input	pf
Output	pf
Feedthrough	pf
Cooling	Forced Air
Base	Coaxial
Air Socket	SK-2220
Air Chimney	SK-2216
Boiler	
Length	3.68 in; 9.34 cm
Diameter	3.38 in; 8.58 cm

25 oz; 709 gm

Drive Output Power Power Watts) (kiloWatts
83 1.57
50 2.03

Weight

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



For information on this and other CPI products, visit our website at: www.cpii.com, or contact: CPI MPP Division, Eimac Operations, 607 Hansen Way, Palo Alto, CA 94303

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