

# 4CW25,000A

The 4CW25,000A is a tetrode intended for use in audio or radio frequency applications. It is recommended for RF linear power amplifier service for television linear amplifier service, and as a switch tube for pulsed regulator service.



## CHARACTERISTICS

Plate Dissipation (Max.)	25,000 Watts
Screen Dissipation (Max.)	450 Watts
Grid Dissipation (Max.)	20 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	4.5
Filament/Cathode	Thoriated Tungsten
Voltage	6.3 Volts
Current	160 Amps
Capacitance	Grounded Cathode
Input	160 pf
Output	24.5 pf
Feedthrough	1.5 pf
Capacitance	Grounded Grid
Input	67 pf
Output	25.5 pf
Feedthrough	0.2 pf
Cooling	Water and Forced Air
Base	Special Coaxial
Air Socket	SK-300A
Air Chimney	---
Boiler	---
Length	12.69 in; 322.00 mm
Diameter	4.75 in; 121.00 mm
Weight	13.5 lb; 6.1 kg

Class of Operation	Type of Service	MAXIMUM RATINGS		TYPICAL OPERATION				
		Plate Voltage (Volts)	Plate Current (Amps)	Plate Voltage (Volts)	Screen Voltage (Volts)	Plate Current (Amps)	Drive Power (Watts)	Output Power (kiloWatts)
C	RF amplifier	10,000	5.0	10,000	750	4.5	220	36.5
C	RF amplifier plate modulated	8,000	4.0	8,000	750	3.6	150	23.5
AB1	RF linear amplifier	10,000	6.0	10,000	1,500	4.2	---	28.5
AB1	AF amplifier or modulator	10,000	6.0	10,000	1,500	8.5	---	57.0

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.



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