



**TDP**  
**TUBE 4CX35,000C / 8349**

GENERAL DESCRIPTION



The 4CX35,000 is intended for use at the 50 to 150 kW output power level.

It is recommended for use as a Class C RF amplifier or oscillator a Class AB RF linear amplifier, or a Class AB push-pull AM amplifier or modulator.

TECHNICAL SPECIFICATIONS

Plate Dissipation (Max.)	35,000 watts
Screen Dissipation (Max.)	1,750 watts
Grid Dissipation (Max.)	500 watts
Frequency for Max. Ratings (CW)	30 MHz
Cooling	Forced Air
Filament	Thoriated Tungsten
Voltage	10.0 volts
Current	295 amperes
Capacitances (Gnd. Cath. Connection)	440 pF
Input	55.0 pF
Output	2.30 pF
Feed-through	
Capacitances (Gnd. Grid Connection)	175 pF
Input	57 pF
Output	0.4 pF
Feed-through	
Amplification Factor ( $g_1-g_2$ )	4.5
Base	Special, graduated rings
Recommended Air-System Socket	SK-1500A
Maximum Seal & Envelope Temperature	250°C
Maximum Length	17.34 in; 440.00 mm
Maximum Diameter	9.75 in; 248.00 mm
Weight (approximate)	50 lb; 22.70 kg
Operating Position	Vertical

Specifications may change without notice

THIS TUBE IS USED IN THE FOLLOWING SHORTWAVE BROADCAST TRANSMITTERS

Manufacturer	Transmitter specifications	Power in kW
CCA Electronics	AM 50,000D	50
Continental Electronics	416 E	10
	417 D	50
Elcor	SW-40 K	40
	SW-50 K	50
	SW-100 K	100
NEC Corporation	HFB-8047	50

THIS TUBE IS AVAILABLE FROM

Manufacturer	Rebuilder	Distributor
Eimac	California Tube Laboratory	Richardson Electronics
Marconi Applied Technologies	Econco	
Penta Laboratories	Freeland Products Kennetron	

PRICE LEVEL (US\$)

1	2	3	4	5	6
0 - 10	10 - 100	100 - 1000	1000 - 10,000	10,000 - 50,000	50,000 - 100,000

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