

# POWER TETRODE

SHORT FORM SPECIFICATION

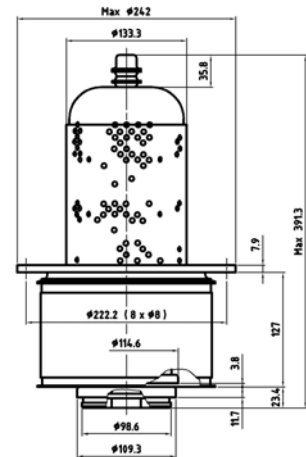
# 4CV100000E

Plate Dissipation (Max.)	100000 W
Screen Dissipation (Max.)	1750 W
Grid Dissipation (Max.)	500 W
Frequency for Max. rating (CW)	108 MHz
Amplification Factor	4,5
Filament/Cathode	Thoriated Tungsten
Voltage	15,5 V
Current	215,0 A

Capacitance	Grounded Cathode
Input	470,0 pF
Output	61,0 pF
Feed through	1,1 pF

Capacitance	Grounded Grid
Input	200,0 pF
Output	61,0 pF
Feed through	0,4pF

Cooling	Vapor and Forced Air
Base	Special
Air Socket	SK-2011A
Air Chimney	-----
Boiler	BR-710B
Length	15,250in; 393,70 mm
Diameter	9,53 in; 241,21 mm
Weight	35,0 lb; 15,9 kg
Operating Position	Vertical, anode up



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 (Watts)
AB1	RF Linear Amplifier	17500	16,0	17500	1500	13,5		168000
C	RF Amplifier	17500	16,0	15000	750	11,7	560	140000
C	RF Amplifier Plate Modulated	15000	16,0	15000	750	11,7	530	140000
AB1	AF Amplifier or Modulator (2 tubes)	17500	16,0	15000	1500	19,5	-----	200000



## TUNGSTEN VACUUM ELECTRONICS

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Rétipálya

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