

The 5682K is a high power triode suitable for industrial and broadcast applications as well as other applications where a 120 kW water cooled anode is desirable. The 5682K uses ceramic as the vacuum envelope for ruggedness and high reliability. At reduced ratings the 5682K is useful up to 88 MHz.

## CHARACTERISTICS

Plate Dissipation (Max.)	120,000 Watts
Screen Dissipation (Max.)	N/A
Grid Dissipation (Max.)	2000 Watts
Frequency for Max. rating (CW)	30 MHz
Amplification Factor	30
Filament/Cathode	Thoriated Tungsten
Voltage	16.5 Volts
Current	325 Amps
Capacitance	Grounded Cathode
Input	111 pf
Output	85 pf
Feedthrough (Max.)	3.0 pf
Capacitance	
Input	pf
Output	pf
Feedthrough	pf
Cooling	Water and Forced Air
Base	Special
Air Socket	N/A
Air Chimney	N/A
Boiler	N/A
Length	23.25 in; 59.6 cm
Diameter	8.031 in; 20.4 cm
Weight	50lb; 22.68 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)
AB1	RF linear amplifier	8,000	2.0	6,000	750	1.74	200	6.275

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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