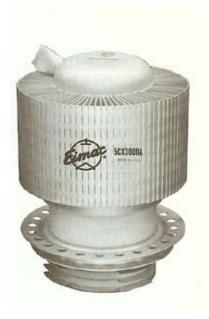




The 5CX3000A/8966 is designed for use as a Class AB1 linear amplifier in audio or radio frequency applications. Its characteristic low intermodulation distortion makes it especially suitable for single sideband service.



5CX3000A/8966

CHARACTERISTICS

Plate Dissipation (Max.) Screen Dissipation (Max.) Grid Dissipation (Max.) Frequency for Max. rating (CW) **Amplification Factor** Filament/Cathode Voltage Current Capacitance Input Output Feedthrough Capacitance Input Output Feedthrough Cooling Base Air Socket Air Chimney Boiler Length Diameter Weight

4,000 Watts 175 Watts 50 Watts 110 MHz 5.5 **Thoriated Tungsten** 9.0 Volts 41.5 Amps Grounded Cathode 135.0 pf 21.0 pf 0.4 pf Grounded Grid 61.0 pf 21.0 pf --- pf Forced Air Special Ring/ Breechblock SK-1420 SK-1426 ---6.84 in; 173.70 mm 4.63 in; 117.60 mm 5.5 lb; 2.5 kg

	MAXIMUM RATINGS		TYPICAL OPERATION					
Class of Operation	Type of Service	Plate Voltage (Volts)	Plate Current (Amps)	Plate Voltage (Volts)	Screen Voltage (Volts)	Plate Current (Amps)	Drive Power (Watts)	Output Power (kiloWatts)
С	RF amplifier at 30 MHz	7,000	2.0	6,800	500	1.6	52	8.5
AB1	RF linear amplifier	7,000	2.0	6,000	850	1.4		5.5
AB1	AF amplifier or modulator	7,000	2.0	6,000	850	2.9		11.0

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.



For information on this and other CPI products, visit our website at: **www.cpii.com**, or contact: CPI MPP Division, Eimac Operation, 607 Hansen Way, Palo Alto, CA 94303 **TELEPHONE:** 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** powergrid@cpii.com