

The 3CX5000A7 high-mu triode is designed for use as a cathode driven Class AB power amplifier. The tube does not require a socket as it is designed to bolt directly to the chassis by means of the grid flange. Cathode and heater connections are made by bolting directly to the amplifier circuitry. These features reduce equipment cost and complexity



CHARACTERISTICS

Plate Dissipation (Max.)	5,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	35 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	---
Filament/Cathode	Oxide Coated
Voltage	10.0 Volts
Current	17.5 Amps
Capacitance	Grounded Grid
Input	56.5 pf
Output	34.0 pf
Feedthrough	0.2 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Forced Air
Base	Direct Chassis Mounting
Air Socket	---
Air Chimney	SK-306
Boiler	---
Length	8.25 in; 20.96 cm
Diameter	4.94 in; 12.55 mm
Weight	9.5 lb ; 4.3 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)
AB	Cathode driven RF linear amplifier	6,500	1.5	6,500	---	1.44	155	5.0

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.