

The 3CX3000F7/8162 tube is identical to the 3CX3000A7 except for the addition of flexible leads on the base for grid and filament connections which can simplify socketing in low frequency applications.



CHARACTERISTICS

Plate Dissipation (Max.)	4,000 Watts
Screen Dissipation (Max.)	---
Grid Dissipation (Max.)	50 Watts
Frequency for Max. rating (CW)	--- MHz
Amplification Factor	5
Filament/Cathode	Thoriated Tungsten
Voltage	7.5 Volts
Current	51.5 Amps
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Forced Air
Base	Flexible Leads
Air Socket	---
Air Chimney	---
Boiler	---
Length	18.44 in; 464.40 mm
Diameter	4.16 in; 105.70 mm
Weight	7.5 lb ; 3.4 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)
C	Cathode driven RF amplifier	5,000	2.5	4,800	---	1.5	435	5.5
AB2	Cathode driven RF linear amplifier	5,000	2.5	4,800	---	2.0	410	7.26
AB2	Grid driven RF linear amplifier AM Service	5,000	2.5	4,000	---	0.74	115	1.13
AB2	Grid driven AF amplifier or modulator	5,000	2.5	4,000	---	3.6	115	10.5
D	Switching modulator	15,000	2.5	13,700	---	0.53	---	---

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 Operations, 607 Hansen Way, Palo Alto, CA 94303
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