

The 4CX300Y/8561 is a compact power tetrode having a maximum plate dissipation rating of 400 watts. It may be operated at maximum ratings to 110 MHz. The ceramic/metal construction and the internally utilized electrode structure combine to make the 4CX300Y/8561 especially durable and free from mechanically induced noise under conditions of severe acceleration caused by shock or vibration.



## CHARACTERISTICS

Plate Dissipation (Max.)	400 Watts
Screen Dissipation (Max.)	8 Watts
Grid Dissipation (Max.)	1 Watt
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	5.6
Filament/Cathode	Oxide Coated
Voltage	6.0 Volts
Current	3.5 Amps
Capacitance	Grounded Cathode
Input	34.0 pf
Output	4.5 pf
Feedthrough	.04 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Forced Air
Base	Special, Breechblock
Air Socket	SK-700
Air Chimney	SK-606
Boiler	---
Length	2.50 in; 63.50 mm
Diameter	1.64 in; 41.60 mm
Weight	4 oz; 113 gm

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	RF amplifier	2,000	0.40	2,000	250	0.40	3.8	0.600
	RF Amplifier plate modulated	1,500	0.30	1,500	250	0.30	1.7	0.300
AB1	RF amplifier	2,000	0.40	2,000	400	0.38	---	0.415
AB1	RF linear amplifier (AM service)	2,000	0.40	2,000	400	0.20	---	0.115
AB1	AF amplifier or modulator	2,500	0.40	2,000	400	0.75	---	0.890

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](http://www.cpii.com), or contact: CPI MPP Division, Eimac Operations, 607 Hansen Way, Palo Alto, CA 94303  
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