

4CX250R/7580W

The 4CX250R/7580W is designed specifically for use in Class AB1 linear amplifiers where shock and/or vibration preclude the use of non-ruggedized tube types. The 4CX250R/7580W will replace the 4CX250B in equipments where the range of bias adjustment will tolerate this higher purveyance tube and where tuning range can compensate for the small differences in input and output capacitances. The 4CX250R/7580W will deliver more output in most linear amplifiers which presently employ the 4CX250B and it will operate with maximum rated plate and screen voltage applied in equipments where shock and/or vibration is experienced.



CHARACTERISTICS

Plate Dissipation (Max.)	250 Watts
Screen Dissipation (Max.)	12 Watts
Grid Dissipation (Max.)	2 Watts
Frequency for Max. rating (CW)	500 MHz
Amplification Factor	5
Filament/Cathode	Oxide Coated
Voltage	6.0 Volts
Current	2.6 Amps
Capacitance	Grounded Cathode
Input	17.5 pf
Output	4.8 pf
Feedthrough	.04 pf
Capacitance	---
Input	--- pf
Output	--- pf
Feedthrough	--- pf
Cooling	Forced Air
Base	9 Pin Special
Air Socket	SK-600A
Air Chimney	SK-606
Boiler	---
Length	2.46 in; 62.50 mm
Diameter	1.64 in; 41.70 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)
AB1	RF linear Amplifier	2,000	0.25	2,000	400	0.25	---	0.3
AB1	RF linear amplifier (AM service)	2,000	0.25	2,000	400	0.17	---	0.1
AB1	AF amplifier or modulator	2,000	0.25	2,000	350	0.50	---	0.595

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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