

The 290A is a radial beam pentode intended for use as a linear amplifier. The anode is forced-air cooled and has a maximum dissipation rating of 5 kilowatts.

## CHARACTERISTICS

Plate Dissipation (Max.)	5,000 Watts
Screen Dissipation (Max.)	50 Watts
Grid Dissipation (Max.)	2 Watts
Frequency for Max. rating (CW)	30 MHz
Amplification Factor	3.4
Filament/Cathode	Oxide
Voltage	6.0 Volts
Current	17 Amps
Capacitance	Grounded Cathode
Input	56 pf
Output	18 pf
Feedthrough	0.13 pf
Capacitance	
Input	pf
Output	pf
Feedthrough	pf
Cooling	Forced Air
Base	Special 7-Pin
Air Socket	SK-291A
Air Chimney	N/A
Boiler	N/A
Length	7.25 in; 18.4 cm
Diameter	5.53 in; 14.05 cm
Weight	9.15 lb; 4.15 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)
AB1	RF linear amplifier	8,000	2.0	6,000	750	1.74	200	6.275

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.



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