

The 8295A 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 1 kilowatt.

## CHARACTERISTICS

|                                |                  |
|--------------------------------|------------------|
| Plate Dissipation (Max.)       | 1000 Watts       |
| Screen Dissipation (Max.)      | 30 Watts         |
| Grid Dissipation (Max.)        | 0.5 Watt         |
| Frequency for Max. rating (CW) | 30 MHz           |
| Amplification Factor           | 3.4              |
| Filament/Cathode               | Oxide            |
| Voltage                        | 6.0 Volts        |
| Current                        | 8.2 Amps         |
| Capacitance                    | Grounded Cathode |
| Input                          | 40 pf            |
| Output                         | 18.5 pf          |
| Feedthrough                    | 0.09 pf          |
| Capacitance                    | ---              |
| Input                          | --- pf           |
| Output                         | --- pf           |
| Feedthrough                    | --- pf           |
| Cooling                        | Forced Air       |
| Base                           | Special 7-Pin    |
| Air Socket                     | SK-184, SK-184A  |
| Air Chimney                    | N/A              |
| Boiler                         | N/A              |
| Length                         | 5.05 in; 12.8 cm |
| Diameter                       | 4.03 in; 10.2 cm |
| Weight                         | 2.8 lb; 1.27 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 | 3,000                 | 0.8                  | 3,000                 | 500                    | 0.8                  | 50                  | 1.7                      |

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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