

The 4CX350A/8321 has a maximum plate dissipation of 350 watts and is intended for Class AB audio or RF amplifier service. The tube is externally identical to the 4CX250B but contains rugged internal construction features. Amplification factor and cathode area have been increased over the basic 4CX250B to give higher transconductance and figure of merit.



## CHARACTERISTICS

|                                |                   |
|--------------------------------|-------------------|
| Plate Dissipation (Max.)       | 350 Watts         |
| Screen Dissipation (Max.)      | 8 Watts           |
| Grid Dissipation (Max.)        | 0 Watts           |
| Frequency for Max. rating (CW) | 110 MHz           |
| Amplification Factor           | 13                |
| Filament/Cathode               | Oxide Coated      |
| Voltage                        | 6.0 Volts         |
| Current                        | 2.9 Amps          |
| Capacitance                    | Grounded Cathode  |
| Input                          | 23.6 pf           |
| Output                         | 5.6 pf            |
| Feedthrough                    | .03 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                         | 2.47 in; 62.60 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) |
| AB1                | RF linear amplifier       | 2,500                 | 0.30                 | 2,200                 | 400                    | 0.29                 | ---                 | 0.385                    |
| AB1                | AF amplifier or modulator | 2,500                 | 0.30                 | 2,200                 | 400                    | 0.58                 | ---                 | 0.770                    |

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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