

## Communications & Power Industries Tetrode



The 4PR60C/8252W is intended for pulse modulator service in circuits employing inductive or resistive loads. This tube unilaterally replaces the 715C, the 5D21 and the 4PR60B/8252. The internal structure of the tube has been strengthened to minimize the effects of shock and vibration. The 4PR60C/8252W has a maximum plate dissipation rating of 60 watts. It is cooled by radiation and convection, and it delivers pulse output power in the region of 300 kW with less than one kW of pulse driving power.

### FEATURES:

|                                |                        |
|--------------------------------|------------------------|
| Maximum plate dissipation:     | 60 Watts               |
| Maximum screen dissipation:    | 8 Watts                |
| Maximum grid dissipation:      | 1 Watt                 |
| Frequency for max rating (CW): | --- MHz                |
| Amplification factor:          | ---                    |
| Filament/cathode:              | Oxide Coated           |
| Voltage:                       | 26.0 Volts             |
| Current:                       | 2.1 Amps               |
| Capacitance: Grounded cathode  |                        |
| Input:                         | 43.0 pF                |
| Output:                        | 8.5 pF                 |
| Feedthrough:                   | 1.5 pF                 |
| Capacitance: Grounded grid     |                        |
| Input:                         | --- pF                 |
| Output:                        | --- pF                 |
| Feedthrough:                   | --- pF                 |
| Cooling:                       | Radiation & Forced Air |
| Base:                          | 4-Pin Special          |
| Air Socket:                    | ---                    |
| Air Chimney:                   | ---                    |
| Boiler:                        | ---                    |
| Length:                        | 6.00 in; 152.40 mm     |
| Diameter:                      | 3.06 in; 77.90 mm      |
| Weight:                        | 12 oz; 0.34 gm         |

### BENEFITS:

- Worldwide brand name recognition
- Over 85 years technical expertise

### APPLICATIONS:

- Science

| 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) |
| ---                | Switch Tube or PULSE Modulator | 20,000                | 18.0                 | 20 000                | 1,250                  | 18.0                 | ---                 | 337.0                    |

With a history of producing high quality products, we can help you with your tetrode.

Contact us at [MPPMarketing@cpii.com](mailto:MPPMarketing@cpii.com) or call us at +1 650-846-2800. 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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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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