# High-Mu Triode

### 7-PIN MINIATURE TYPE For Mobile-Communications Equipment

### CENEDAL DATA

GENERAL DATA												
Electrical:												
Heater Characteristics and Ratings Voltage (AC or DC) Current at heater volts = 6.3 Peak heater-cathode voltage: Heater negative with respect to cathode Heater positive with respect to cathode Direct Interelectrode Capacitances	6.3 a volts 0.150 amp 100 max. volts 100 max. volts											
bifect interesections capacitances	Without With External External Shield Shield											
Grid to plate Grid to cathode and heater Plate to cathode and heater Cathode to plate Cathode to grid and heater Plate to grid and heater	2.2 2.2 μμf 0.5 1.4 μμf 0.24 0.20° μμf 5.0 5.2d μμf 1.7 2.6d μμf											
Characteristics, Class A, Amplifier Plate Supply Voltage	100 250 volts 270 200 ohms 60 60 15000 10900 ohms 4000 5500 μmhos 3.7 10 ma											
Mechanical:												
Operating Position	Coated Unipotential											

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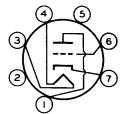
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Basing Designation for BOTTOM VIEW. . . . . . . . 5CE

Pin 1 - Plate Pin 2-No Internal Connection

Pin 3-Heater

Pin 4 - Heater



Pin 5-No Internal Connection

Pin 6-Grid

Pin 7 - Cathode

#### AMPLIFIER - Class AL

## Maximum Ratings, Absolute-Maximum Values:

PLATE VOLTAGE GRID VOLTAGE:		•	•		•	•	•	•		•	330 max.	volts
Negative-bias value.											55 max.	volts
Positive-bias value.	•	•	•	•			•	•	•		0 max.	volts

- a When operated from storage-battery systems, the heater may be subjected to voltage variations as great as ± 20 per cent. Although such extremes in heater voltage may be tolerated for short periods, increased equipment reliability can be achieved with improved supply-voltage regulation.
- **b** With external shield JEDEC No.316 connected to cathode except as noted.
- ${f c}$  With external shield JEDEC No.316 connected to ground.
- d With external shield JEDEC No.316 connected to grid.

#### SPECIAL RATINGS & PERFORMANCE DATA

#### Heater-Cycling:

Cycles of Intermittent Operation . . . . 2000 min. cycles This test is performed on a sample lot of tubes from each production run under the following conditions: heater volts = 7.5 cycled one minute on and one minute off, heater 135 volts positive with respect to cathode, and all other elements connected to ground. At the end of this test, tubes are checked for heater-cathode shorts and open circuits.

#### Transconductance at Reduced Heater Voltage:

With heater volts = 5.0, plate supply volts = 250, and cathode resistor (ohms) bypassed = 200.