High-Mu Triode

7-PIN MINIATURE TYPE For Mobile-Communications Equipment

GENERAL DATA

Electrical:	
Heater Characteristics and Ratings (Absolute-Maximum Val: Voltage (AC or DC)6.3 Current at heater volts = 6.30.150 Peak heater-cathode voltage:	wes): volts amp
Heater negative with respect to cathode	volts volts
Direct Interelectrode Capacitances (Approx.):	VUILS
Without With External External Shield Shield ^b	
Grid to plate	μμf μμf μμf μμf μμf μμf μμf
Characteristics, Class A ₁ Amplifier:	
Cathode Resistor 270 200 Amplification Factor 60 60	volts ohms
Plate Resistance (Approx.). 15000 10900 Transconductance. 4000 5500 Plate Current 3.7 10 Grid Voltage (Approx.) 10 10	ohms µmhos ma
for plate $\mu a = 105 -12$	volts
Mechanical:	
Operating Position	ential 2-1/8" -7/8" 3/32" 0.750"

Basing Designation for BOTTOM VIEW.

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 A

Maximum Ratings. Absolute-Maximum Values: DIATE VOLTACE

PLATE VULTAGE						330 max.	volts
GRID VOLTAGE:							
Negative-bias value.						55 max.	volts
Positive-bias value.						0 max.	volts
PLATE DISSIPATION						2.9 max.	watts

- 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.
- $^{f d}$ With external shield JEDEC No.316 connected to grid.

SPECIAL RATINGS & PERFORMANCE DATA

Heater-Cycling:

Cycles of Intermittent Operation 2000 min. 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.