

Sharp-Cutoff Tetrode

7-PIN MINIATURE TYPE
For Mobile-Communications Equipment

GENERAL DATA

Electrical:

Heater Characteristics and Ratings (*Design-Maximum Values*):

Voltage (AC or DC)	6.3	$\begin{smallmatrix} +1.2 \\ -0.3 \end{smallmatrix}$	volts
Current at heater volts = 6.3	0.200		amp
Peak heater-cathode voltage:			
Heater negative with respect to cathode	100	max.	volts
Heater positive with respect to cathode	100 ^a	max.	volts

Direct Interelectrode Capacitances:^b

Grid No.1 to plate	0.03	max.	μmf
Grid No.1 to cathode & internal shield, grid No.2, and heater	4.4		μmf
Plate to cathode & internal shield, grid No.2, and heater	2.74		μmf

Characteristics, Class A₁ Amplifier:

Plate Voltage	125	volts
Grid-No.2 Voltage	80	volts
Grid-No.1 Voltage	-1	volt
Plate Resistance (Approx.)	0.125	megohm
Transconductance	8000	μmhos
Plate Current	10	ma
Grid-No.2 Current	1.4	ma
Grid-No.1 Voltage (Approx.) for transconductance (μmhos) = 100	-5	volts

Mechanical:

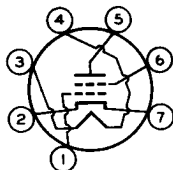
Operating Position	Any
Type of Cathode	Coated Unipotential
Maximum Overall Length	2-1/8"
Maximum Seated Length	1-7/8"
Length, Base Seat to Bulb Top (Excluding tip)	1-1/2" $\pm$ 3/32"
Diameter	0.650" to 0.750"
Dimensional Outline	See <i>General Section</i>
Bulb	T5-1/2
Base	Small-Button Miniature 7-Pin (JEDEC No.E7-1)
Basing Designation for BOTTOM VIEW	7EW

Pin 1 - Grid No.1

Pin 2 - Cathode,
Internal
Shield

Pin 3 - Heater

Pin 4 - Heater



Pin 5 - Plate

Pin 6 - Grid No.2

Pin 7 - Cathode,
Internal
Shield

