



6T4

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MEDIUM-MU TRIODE

7-PIN MINIATURE TYPE

For UHF TV service

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts

Current. 0.225 amp

Direct Interelectrode Capacitances (Approx.):

	Without External Shield	With External Shield ^o	
Grid to plate.	1.7	1.7	μmf
Grid to cathode and heater .	2.6	3.2	μmf
Plate to cathode and heater.	0.40	2.0	μmf
Heater to cathode.	3.0	3.0 [•]	μmf
Grid to cathode.	2.4	2.4 [•]	μmf
Plate to cathode	0.24	0.22	μmf

Characteristics, Class A₁ Amplifier:

Plate-Supply Voltage	80	volts
Cathode Resistor	150	ohms
Amplification Factor	13	
Transconductance	7000	μmhos
Plate Current.	18	ma
Grid Voltage (Approx.) for plate current of 50 μamp	-15	volts

Mechanical:

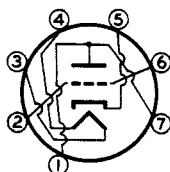
Mounting Position.	Any
Maximum Overall Length	1-3/4"
Maximum Seated Length.	1-1/2"
Length, Base Seat to Bulb Top (Excluding tip).	1-1/8" $\pm$ 3/32"
Maximum Diameter	3/4"
Dimensional Outline.	See General Section
Bulb	T-5-1/2
Base	Small-Button Miniature 7-Pin (JETEC No.E7-1)
Basing Designation for BOTTOM VIEW	7DK

Pin 1 - Plate

Pin 2 - Grid

Pin 3 - Heater

Pin 4 - Heater



Pin 5 - Cathode

Pin 6 - Grid

Pin 7 - Plate

OSCILLATOR IN UHF TELEVISION RECEIVERS

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE.	200 max.	volts
GRID CURRENT	8 max.	ma

^o With external shield JETEC No.316 connected to cathode, except as noted.[•] With external shield JETEC No.316 connected to ground.

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CATHODE CURRENT.	30	max.	ma
PLATE DISSIPATION.	3.5	max.	watts
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode .	50	max.	volts
Heater positive with respect to cathode .	50 [▲]	max.	volts

[▲] The dc component must not exceed 25 volts.