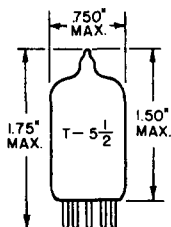


TUNG-SOL**TRIODE**

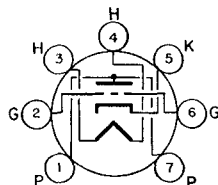
MINIATURE TYPE

**MEDIUM MU TRIODE
FOR
UHF OSCILLATOR SERVICE**



GLASS BULB
MINIATURE BUTTON
7 PIN BASE E7-1
OUTLINE DRAWING
JEDEC 5-1

COATED UNIPOTENTIAL CATHODE
ANY MOUNTING POSITION



**BOTTOM VIEW
BASING DIAGRAM
7 DK**

THE 6DZ4 IS A MEDIUM MU TRIODE IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR UHF OSCILLATOR SERVICE. EXCEPT FOR HEATER CHARACTERISTICS AND RATINGS, THE 6DZ4 IS IDENTICAL TO THE 2DZ4 AND THE 3DZ4.

**DIRECT INTERELECTRODE CAPACITANCES
WITH SHIELD**

GRID TO PLATE	1.8	pf
INPUT: G TO (H + K + E.S.)	2.2	pf
OUTPUT: P TO (H + K + E.S.)	1.3	pf

HEATER CHARACTERISTICS AND RATINGS
DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	225	MA.
LIMITS OF APPLIED VOLTAGE		6.3 ± 0.6	VOLTS
HEATER-CATHODE VOLTAGE			
HEATER NEGATIVE WITH RESPECT TO CATHODE			
TOTAL DC AND PEAK		50	VOLTS
HEATER POSITIVE WITH-RESPECT TO CATHODE			
DC		25	VOLTS
TOTAL DC AND PEAK		50	VOLTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS
DESIGN MAXIMUM RATINGS - SEE EIA STANDARD RS-239

UHF OSCILLATOR SERVICE

PLATE VOLTAGE	135	VOLTS
NEGATIVE GRID VOLTAGE	50	VOLTS
PLATE DISSIPATION	2.3	WATTS
CATHODE CURRENT	20	MA.
GRID CURRENT	2	MA.

CHARACTERISTICS AND TYPICAL OPERATION
CLASS A1 AMPLIFIER

PLATE SUPPLY VOLTAGE	80	VOLTS
PLATE DROPPING RESISTOR	2,700	OHMS
PLATE CURRENT	15	MA.
TRANSCONDUCTANCE	6,700	μ MHOS
AMPLIFICATION FACTOR	14	
PLATE RESISTANCE	APPROX. 2,000	OHMS
GRID VOLTAGE FOR $I_b = 20 \mu A$	APPROX. -11	VOLTS

OSCILLATOR AT 1000 MC/s
MEASURED IN JEDEC STANDARD OSCILLATOR NO. 400

PLATE SUPPLY VOLTAGE	80	VOLTS
PLATE DROPPING RESISTOR	2,700	OHMS
GRID RESISTOR	10,000	OHMS
PLATE CURRENT	15.5	MA.
GRID CURRENT	APPROX. 800	μA