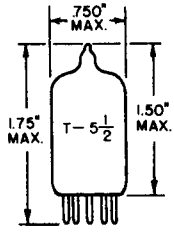
TUNG-SOL

TRIODE

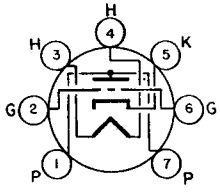
MINIATURE TYPE

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 3DZ4 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 3DZ4 IS IDENTICAL TO THE 2DZ4 AND THE 6DZ4.

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	3.2 VOLTS	450	MA.
HEATER WARM-UP TIME		11	SECONDS
LIMITS OF SUPPLIED CURRENT		450 ± 30	MA.
HEATER - CATHODE VOLTAGE			
HEATER NEGATIVE WITH RESPECT TO CATHODE			
TOTAL DC AND PEAK		180	VOLTS
HEATER POSITIVE WITH-RESPECT TO CATHODE			
DC		100	VOLTS
TOTAL DC AND PEAK		180	VOLTS

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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	μMHOS
AMPLIFICATION FACTOR	14	
PLATE RESISTANCE	APPROX. 2,000	OHMS
GRID VOLTAGE FOR I_b = 20 μA	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