

TUNG-SOL

PENTODE

MINIATURE TYPE

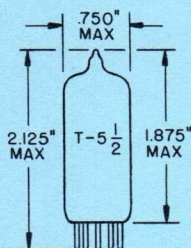
FOR

MOBILE COMMUNICATIONS

EQUIPMENT

COATED UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION



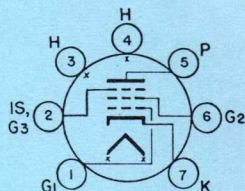
GLASS BULB

MINIATURE BUTTON

7 PIN BASE E7-1

OUTLINE DRAWING

JEDEC 5-2



BOTTOM VIEW

BASING DIAGRAM

JEDEC 7CC

THE 6660 IS A MINIATURE REMOTE-CUTOFF PENTODE DESIGNED FOR USE AS A WIDE-BAND HIGH-FREQUENCY AMPLIFIER. FEATURES OF THE TUBE INCLUDE LOW GRID-PLATE CAPACITANCE AND RELATIVELY HIGH TRANSCONDUCTANCE. ITS ELECTRICAL CHARACTERISTICS ARE ESSENTIALLY EQUIVALENT TO THOSE OF THE 6BA6.

THE 6660 MAY BE OPERATED WITHOUT SERIOUS DEGRADATION UNDER NORMAL VARIATIONS IN SUPPLY VOLTAGE AS ENCOUNTERED WITH AUTOMOTIVE ELECTRICAL SYSTEMS. ALTHOUGH THE TUBE WILL TOLERATE LARGE HEATER VOLTAGE VARIATIONS FOR SHORT PERIODS, HIGHER EQUIPMENT RELIABILITY CAN BE ACHIEVED WITH IMPROVED SUPPLY-VOLTAGE REGULATION.

DIRECT INTERELECTRODE CAPACITANCES

	WITH SHIELD ^A	WITHOUT SHIELD	
GRID 1 TO PLATE, MAXIMUM	0.0035	0.0035	pf
INPUT	5.5	5.5	pf
OUTPUT	5.5	5.0	pf

^A WITH EXTERNAL SHIELD 316 CONNECTED TO PIN 7.

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3	VOLTS	300	MA.
HEATER SUPPLY LIMITS: VOLTAGE OPERATION			6.3±1.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE:				
HEATER NEGATIVE WITH RESPECT TO CATHODE			100	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE			100	VOLTS

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CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE	330	VOLTS
GRID 2 SUPPLY VOLTAGE	330	VOLTS
GRID 2 VOLTAGE	See Rating Chart	
POSITIVE DC GRID 1 VOLTAGE	0	VOLTS
NEGATIVE DC GRID 1 VOLTAGE	55	VOLTS
PLATE DISSIPATION	3.3	WATTS
GRID 2 DISSIPATION	0.65	WATTS

TYPICAL OPERATING CHARACTERISTICS**CLASS A1 AMPLIFIER**

PLATE VOLTAGE	100	250	VOLTS
GRID 3 VOLTAGE	0	0	VOLTS
GRID 2 VOLTAGE	100	100	VOLTS
CATHODE-BIAS RESISTOR	68	68	OHMS
PLATE CURRENT	10.8	11	MA.
GRID 2 CURRENT	4.4	4.2	MA.
TRANSCONDUCTANCE	4,300	4,400	μ MHOS
PLATE RESISTANCE, APPROXIMATE	0.25	1.0	MEGOHMS
GRID 1 VOLTAGE, APPROXIMATE			
$G_m = 40 \mu$ MHOS	-20	-20	VOLTS

SPECIAL TESTS AND RATINGS

HEATER-CYCLING RATING

