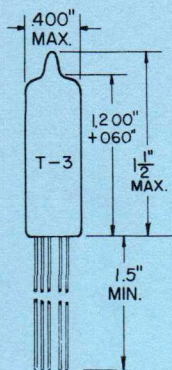


TUNG-SOL

TRIODE
SUBMINIATURE

GLASS BULB
BASE - SAME AS E8-10
EXCEPT LEADS 1, 2, & 6
REMOVED

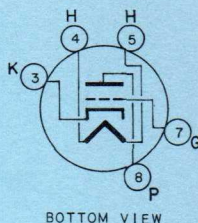
OUTLINE DRAWING
JEDEC 3-2

COATED UNIPOTENTIAL CATHODE

FOR RADIOSONDE SERVICE

OSCILLATOR AT 400 MC

ANY MOUNTING POSITION



THE 6026 IS A HIGH-EFFICIENCY OSCILLATOR TRIODE IN A ROUND SUBMINIATURE CONSTRUCTION WITH 5 FLEXIBLE LEADS. IT IS INTENDED PARTICULARLY FOR TRANSMITTING SERVICE IN RADIOSONDE AND SIMILAR APPLICATIONS. AS A CLASS C OSCILLATOR IN SUCH SERVICE, THE TUBE CAN DELIVER A USEFUL POWER OUTPUT OF 1.25 WATTS.

DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

GRID TO PLATE	1.3	pf
INPUT	2.0	pf
OUTPUT	0.42	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	200	MA.
HEATER SUPPLY LIMITS:			
VOLTAGE OPERATION		5.2 TO 6.6	VOLTS
MAXIMUM PEAK HEATER-CATHODE VOLTAGE		0	VOLTS

MAXIMUM RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

OSCILLATOR - CLASS C TELEGRAPHY

DC PLATE VOLTAGE	150	VOLTS
DC GRID VOLTAGE	-50	VOLTS
TOTAL CATHODE CURRENT	40	MA.
DC GRID CURRENT	10	MA.
PLATE INPUT	3.3	WATTS
PLATE DISSIPATION	3.0	WATTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CHARACTERISTICS

AS OSCILLATOR AT 400 MC

DC PLATE VOLTAGE	.135	VOLTS
GRID RESISTOR	1300	OHMS
DC PLATE CURRENT	20	MA.
DC GRID CURRENT (APPROX.)	9.5	MA.
USEFUL POWER OUTPUT	1.25	WATTS

CLASS A₁ AMPLIFIER

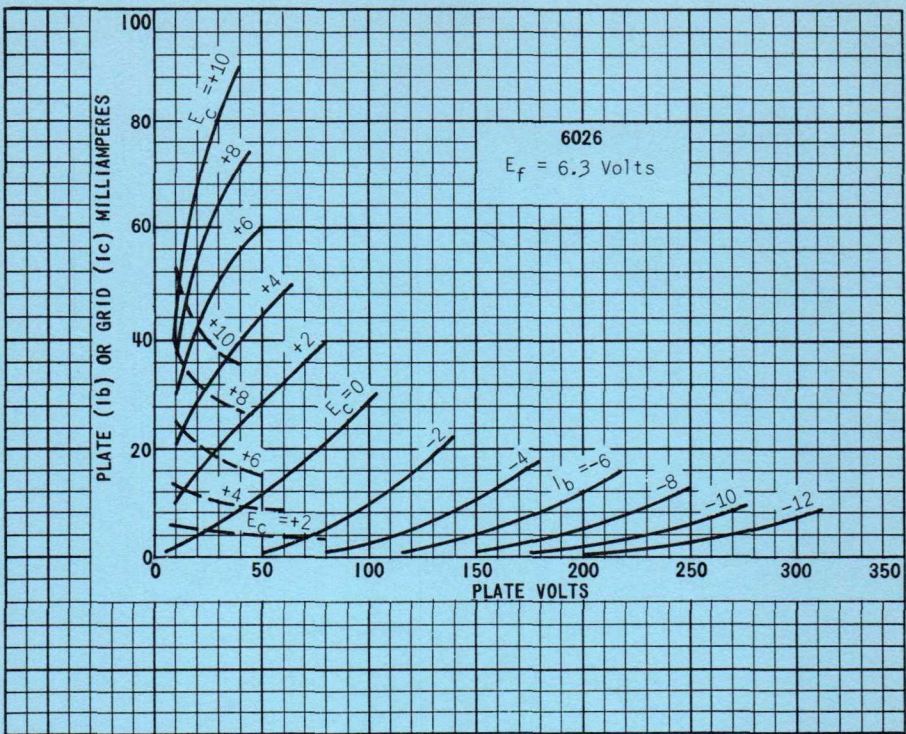
PLATE VOLTAGE	120	VOLTS
CATHODE RESISTOR	220	OHMS
AMPLIFICATION FACTOR	24	
PLATE RESISTANCE	4000	OHMS
TRANSCONDUCTANCE	5900	μMHOS
PLATE CURRENT	12	MA.

CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN

	NOTE	MIN.	MAX.	
HEATER CURRENT:				
WITH 5.2 VOLTS AC ON HEATER	---	0.176	---	AMP.
WITH 6.6 VOLTS AC ON HEATER	---	---	0.225	AMP.
AMPLIFICATION FACTOR	1	17	31	
GRID-TO-PLATE CAPACITANCE	---	1.05	1.55	pf
GRID-TO-CATHODE CAPACITANCE	---	1.55	2.45	pf
PLATE-TO-CATHODE CAPACITANCE	---	0.345	0.495	pf
PLATE CURRENT	2	8	16	MA.
PLATE CURRENT	3	9.5	18.5	MA.
PLATE CURRENT	4	---	300	μAMP.
TRANSCONDUCTANCE	2	4200	7600	μMHOS
TRANSCONDUCTANCE	3	4600	8000	μMHOS

1. WITH 5.2 OR 6.3 VOLTS AC ON HEATER, 120 VOLTS DC ON PLATE, AND CATHODE RESISTOR OF 220 OHMS.
2. WITH 5.2 VOLTS AC ON HEATER, 120 VOLTS DC ON PLATE, AND CATHODE RESISTOR OF 220 OHMS.
3. WITH 6.3 VOLTS AC ON HEATER, 120 VOLTS DC ON PLATE, AND CATHODE RESISTOR OF 220 OHMS.
4. WITH 5.2 VOLTS AC ON HEATER, 120 VOLTS DC ON PLATE, -12 VOLTS DC ON GRID, AND CATHODE RESISTOR OF 220 OHMS.

A. HEATER VOLTAGE RANGE AND MAXIMUM RATINGS ARE ESTABLISHED ON BASIS THAT TUBE HEATER WILL BE SUPPLIED FROM BATTERIES IN RADIOSONDE AND SIMILAR APPLICATIONS UTILIZING EQUIPMENT DESIGNED FOR EXTREME COMPACTNESS AND LIGHT WEIGHT AND REQUIRING TUBE LIFE OF ONLY A FEW HOURS.



PRINTED IN U. S. A.

