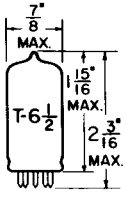
TUNG-SOL

TRIPLE TRIODE

MINIATURE TYPE



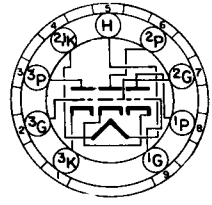
GLASS BULB

COATED UNIPOTENTIAL CATHODE

HEATER

18.9±10% VOLTS 0.15 AMP.
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
SMALL BUTTON
9 PIN BASE
9KA

THE 19EZ8 IS A HIGH MU, TRIPLE TRIODE IN THE 9 PIN MINIATURE CONSTRUCTION. THE CATHODES OF SECTIONS 1 AND 2 HAVE A COMMON CONNECTION WITH ONE SIDE OF THE HEATER. THE CATHODE OF SECTION 3 IS BROUGHT OUT TO A SEPARATE BASE PIN.

DIRECT INTERELECTRODE CAPACITANCES

	WITH SHIELD[A]	WITHOUT SHIELD	
GRID TO PLATE (EACH SECTION)	1.5	1.5	μμf
INPUT (EACH SECTION)	2.6	2.4	μμf
OUTPUT, SECTION #1	1.4	0.21	μμf
OUTPUT, SECTION #2	1.2	0.4	μμf
OUTPUT, SECTION #3	1.2	0.36	μμf
HEATER TO CATHODE, SECTION #3	0.15	0.17	μμf

RATINGS

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

EACH SECTION

HEATER VOLTAGE	18.9±10%	VOLTS
MAXIMUM PLATE VOLTAGE	330	VOLTS
MAXIMUM POSITIVE DC GRID VOLTAGE	0	VOLTS
MAXIMUM NEGATIVE DC GRID VOLTAGE	50	VOLTS
MAXIMUM PLATE DISSIPATION (EACH PLATE)	2.0	WATTS
MAXIMUM TOTAL PLATE DISSIPATION (ALL PLATES)	5.0	WATTS
MAXIMUM HEATER-CATHODE VOLTAGE (SECTION 3):		
HEATER POSITIVE WITH RESPECT TO CATHODE	100	VOLTS
HEATER NEGATIVE WITH RESPECT TO CATHODE	100	VOLTS

[A] WITH EXTERNAL SHIELD #315 CONNECTED TO CATHODE OF SECTION UNDER TEST.

DESIGN-MAXIMUM RATINGS ARE LIMITING VALUES OF OPERATING AND ENVIRONMENTAL CONDITIONS APPLICABLE TO A BOGEY ELECTRON DEVICE OF A SPECIFIED TYPE AS DEFINED BY ITS PUBLISHED DATA, AND SHOULD NOT BE EXCEEDED UNDER THE WORST PROBABLE CONDITIONS. THE DEVICE MANUFACTURER CHOOSES THESE VALUES TO PROVIDE ACCEPTABLE SERVICEABILITY OF THE DEVICE, TAKING RESPONSIBILITY FOR THE EFFECTS OF CHANGES IN OPERATING CONDITIONS DUE TO VARIATIONS IN DEVICE CHARACTERISTICS. THE EQUIPMENT MANUFACTURER SHOULD DESIGN SO THAT INITIALLY AND THROUGHOUT LIFE NO DESIGN-MAXIMUM VALUE FOR THE INTENDED SERVICE IS EXCEEDED WITH A BOGEY DEVICE UNDER THE WORST PROBABLE OPERATING CONDITIONS WITH RESPECT TO SUPPLY-VOLTAGE VARIATION, EQUIPMENT COMPONENT VARIATION, EQUIPMENT CONTROL ADJUSTMENT, LOAD VARIATION, SIGNAL VARIATION, AND ENVIRONMENTAL CONDITIONS.

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

EACH SECTION

PLATE VOLTAGE	125	VOLTS
GRID VOLTAGE	-1.0	VOLTS
AMPLIFICATION FACTOR	57	
PLATE RESISTANCE (APPROX.)	13 600	OHMS
TRANSCONDUCTANCE	4 200	μMHOS
PLATE CURRENT	4.2	MA.
GRID VOLTAGE (APPROX.) I_b= 20 μAMPS.	-4	VOLTS