

**12E14**  
**BEAM TETRODE**  
 Indirectly heated  
**TENTATIVE**

**GENERAL**

The 12E14 is an indirectly heated Beam Tetrode with a maximum anode dissipation of 35W. It is suitable for use in stabilised power supply units.

**RATING—Absolute Values**

Heater Voltage	$V_h$	6.3	V
Heater Current	$I_h$	1.6	A
Maximum Anode Voltage	$V_a(\max)$	800	V
Maximum Screen Voltage	$V_{g2}(\max)$	300	V
Maximum Control Grid Voltage	$V_{g1}(\max)$	-100	V
Maximum Control Grid/Screen Voltage	$V_{g1-g2}(\max)$	400	V
Maximum Anode Dissipation	$P_a(\max)$	35	W
Maximum Screen Dissipation	$P_{g2}(\max)$	5	W
Maximum Cathode Current	$I_k(\max)$	300	mA
Maximum Heater/Cathode Voltage d.c. (heater negative)	$V_{h-k}(\max)$	300	V

**DIMENSIONS**

Maximum Overall Length	106	mm
Maximum Diameter	44	mm
Maximum Seated Height	93	mm

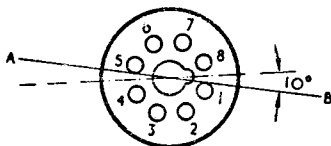
**MOUNTING POSITION**—Vertical. If run horizontally then axis AB must be on a horizontal plane.

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BASE—I08



Viewed from free end of pins

## CONNECTIONS

Pin 1	Internal Connection	IC
Pin 2	Heater	h
Pin 3	Anode	a
Pin 4	Grid 2	g2
Pin 5	Grid 1	g1
Pin 6*	Beam Plates	bp
Pin 7	Heater	h
Pin 8	Cathode	k

\* Should be connected to Cathode.