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	$V_{g1\text{-}g2(max)}$	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)	$V_{h\text{-}k(max)}$	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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Electronic Components Division

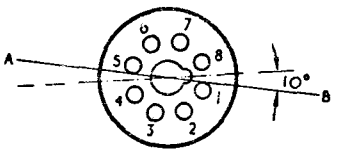
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BASE—108



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.

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