6BJ3

Half-Wave Vacuum Rectifier

DUODECAR TYPE

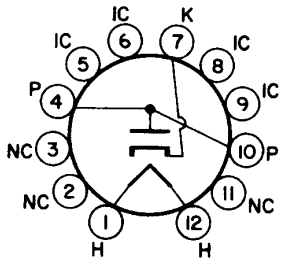
Electrical:

Heater Characteristics and Ratings *(Design-Maximum Values):*		
Voltage (AC or DC)	6.3 ±0.6	volts
Current at heater volts = 6.3	1.200	amp
Peak heater-cathode voltage:		
Heater negative with respect to cathode[a]	3300[b] max.	volts
Heater positive with respect to cathode	300[c] max.	volts
Direct Interelectrode Capacitances (Approx.):[d]		
K to (P,H)	8.0	pf
P to (K,H)	5.5	pf
H to K	2.7	pf

Mechanical:

Operating Position	Any
Type of Cathode	Coated Unipotential
Maximum Overall Length	2.625"
Seated Length	2.000" to 2.250"
Diameter	1.062" to 1.188"
Bulb	T9
Base	Small-Button Duodecar 12-Pin (JEDEC No. E12-70)
Basing Designation for BOTTOM VIEW	12BL

Pin 1 – Heater
Pin 2 – No Internal Connection
Pin 3 – Same as Pin 2
Pin 4 – Plate
Pin 5 – Do Not Use[e]
Pin 6 – Do Not Use[e]
Pin 7 – Cathode
Pin 8 – Do Not Use[e]
Pin 9 – Do Not Use[e]
Pin 10 – Plate
Pin 11 – Same as Pin 2
Pin 12 – Heater



DAMPER SERVICE

Maximum Ratings, *Design-Maximum Values:*

For operation in a 525-line, 30-frame system[f]

Peak Inverse Plate Voltage[a]	3300 max.	volts
Peak Plate Current	840 max.	ma
DC Plate Current	140 max.	ma
Plate Dissipation	4 max.	watts

Characteristics, Instantaneous Value.

Tube Voltage Drop for plate ma. = 250	21	volts

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[a] This rating is applicable when the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

[b] The dc component must not exceed 600 volts.

[c] The dc component must not exceed 100 volts.

[d] Without external shield.

[e] Socket terminals 5,6,8 and 9 should not be used at tie points.

[f] As described in "Standards of Good Engineering Practice Concerning Tevelision Broadcast Stations," Federal Communications Commission.