

Toshiba

TOSHIBA ELECTRON TUBE

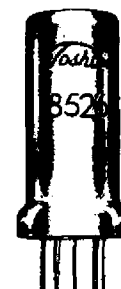
8526

MEDIUM-MU TWIN TRIODE

The Toshiba 8526 is a heater-cathode type medium-mu twin triode of micro metal miniature construction with metal shell and ceramic stem to adapt standard 8-pin sub-miniature socket.

The 8526 is designed for use in general purpose amplifier applications.

It may also be used as a combined oscillator and mixer in high frequency up to VHF range circuit. In on-off control applications, the tube will maintain its emission capabilities after long periods of operation under cutoff conditions.



GENERAL DATA

ELECTRICAL :

Cathode: Coated unipotential

Heater voltage	6.3	V
Heater current	0.3	A

Direct interelectrode capacitances:

Grid to plate (each section)	1.4	PF
Input (each section)	2.1	PF
Output (section 1)	1.3	PF
Output (section 2)	1.4	PF

Coupling:

Grid to grid	0.010	PF
Plate to plate	0.3	PF

MECHANICAL :

Operating position	Any
Maximum overall length	1.082"
Maximum seated length	0.867"
Maximum diameter	0.434"
Bulb	Metal shell
Base	E8-9 (ceramic)

MAXIMUM RATINGS; Absolute maximum values:

Plate voltage	165 max.	V
Negative dc grid voltage	55 max.	V
Plate dissipation	0.95 max.	W

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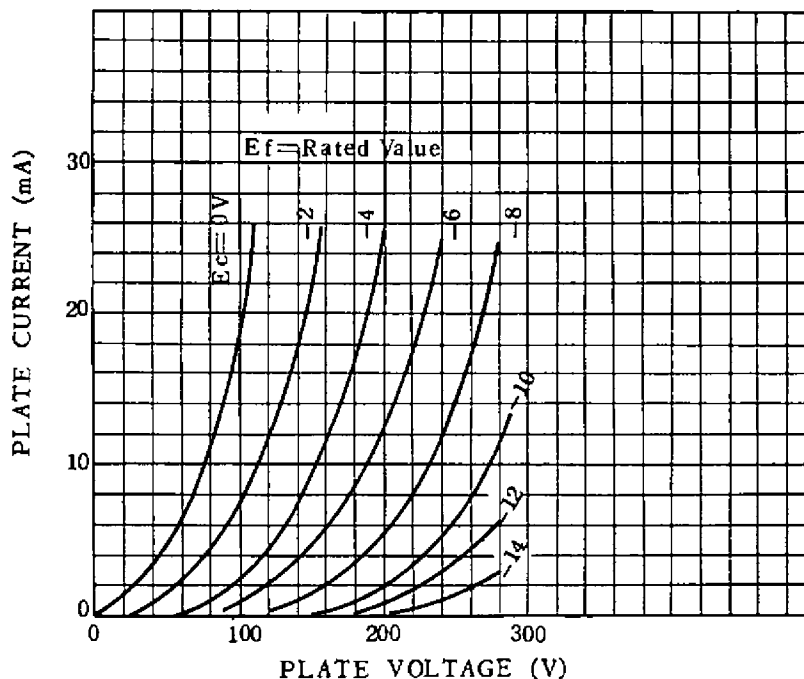
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DC plate current	22 max.	mA
DC grid current	5.5 max.	mA
Heater-cathode voltage		
Heater positive, total dc and peak	200 max.	V
Heater negative, total dc and peak	200 max.	V
Grid circuit resistance	1.1 max.	MΩ
Bulb temperature at hottest point on bulb surface ...	220 max.	°C
Altitude	60000 max.	Feet

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS: (Each section)

Plate voltage	100	V
Cathode bias resistor	220	Ω
Amplification factor	20	
Plate resistance, (Approx.)	4000	Ω
Transconductance	5000	μS
Plate current	8.5	mA
Grid voltage (Approx.)	-9.0	V
for plate current of 10 μA		

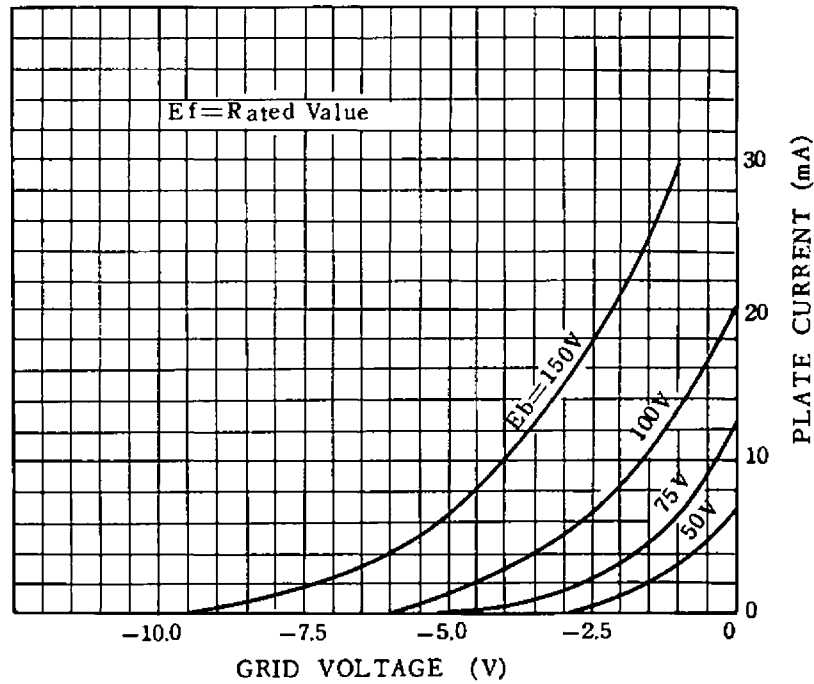
AVERAGE PLATE CHARACTERISTICS



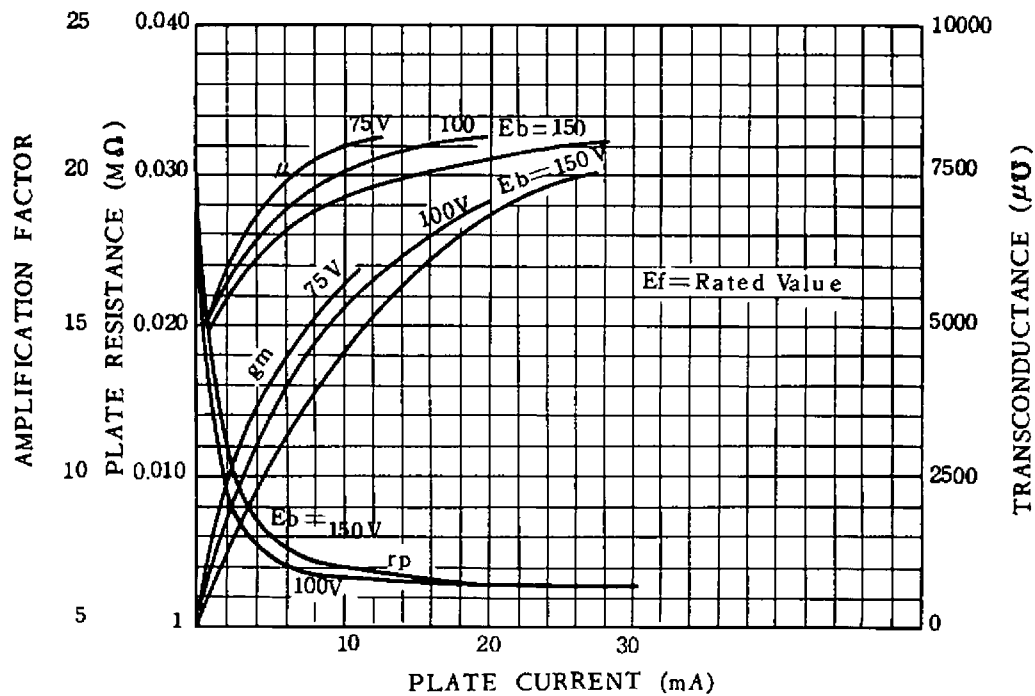
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AVERAGE GRID CHARACTERISTICS



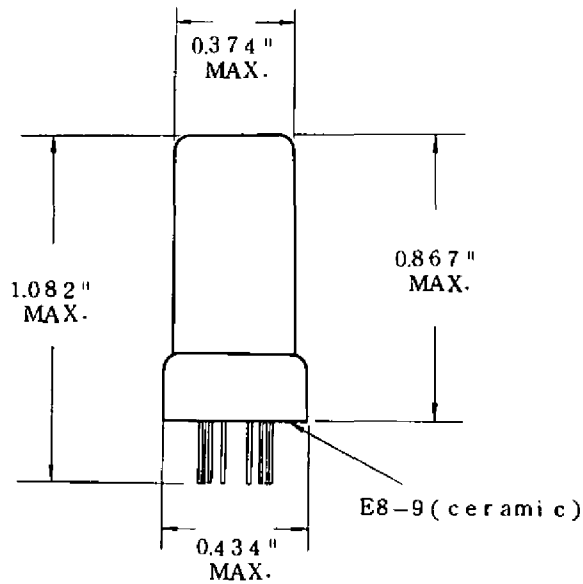
AVERAGE PLATE CHARACTERISTICS



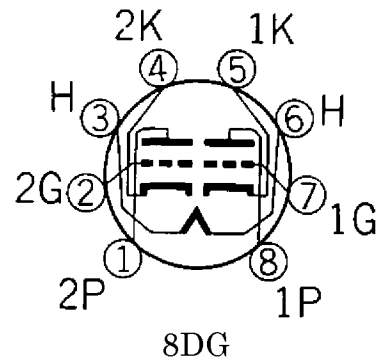
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8526
DIMENSIONAL OUTLINE:
Dimensions in Inches



8526
BASING DIAGRAM:
Bottom View



- Pin 1: Section 2 Plate
- Pin 2: Section 2 Grid
- Pin 3: Heater
- Pin 4: Section 2 Cathode
- Pin 5: Section 1 Cathode
- Pin 6: Heater
- Pin 7: Section 1 Grid
- Pin 8: Section 1 Plate

All inquiries as to the data should be addressed to Tube and Semiconductor Division,
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