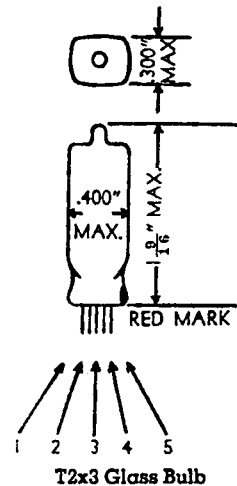




## SUB-MINIATURE SHIELDED PENTODE SHARP CUT-OFF R-F AMPLIFIER

COATED FILAMENT

The 2E32 is a shielded pentode designed for use as an R-F amplifier in radio receivers and other portable equipment where small size, light weight and low battery drain are important. The 2E32 is designed for plug-in use with a socket.



### RATINGS

Filament Voltage . . . . .	1.25	volts	1—Filament Pos. and Sup-
Filament Current . . . . .	50	ma	pressor
Maximum Plate Voltage . . . . .	45	volts	2—Grid #1
Maximum Screen Voltage . . . . .	45	volts	3—Filament Neg. and
Maximum Cathode Current . . . . .	1.0	ma	Shield†
			4—Grid #2
			5—Plate

### DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate (Maximum) . . . . .	0.018	$\mu\mu\text{f}$
Input . . . . .	2.1	$\mu\mu\text{f}$
Output . . . . .	3.8	$\mu\mu\text{f}$

0.016" dia. pins. 0.05" center to center spacing. Pins identified by red mark over plate pin. Pin length 0.200".

### TYPICAL CLASS A<sub>1</sub> CHARACTERISTICS

Plate Voltage . . . . .	22.5	volts
Screen Voltage . . . . .	22.5	volts
Control Grid Voltage* . . . . .	0	volts
Plate Current . . . . .	0.35	ma
Screen Current . . . . .	0.3	ma
Transconductance . . . . .	500	$\mu\text{mhos}$
Plate Resistance . . . . .	0.35	meg.
Grid Bias for Plate Current = 10 $\mu\alpha$ . . . . .	-1.8	volts

\* Grid resistance = 5 megohms.

† Bulb is entirely coated with a metallic shield.

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RADIO RECEIVING TUBE DIVISION

NEWTON, MASS.

RAYTHEON MANUFACTURING COMPANY