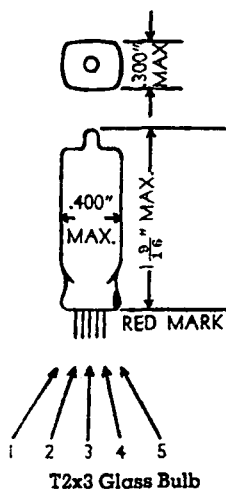


RAYTHEON
Engineering Service

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

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate (Maximum)	0.018 μf
Input	2.1 μf
Output	3.8 μf

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

TYPICAL CLASS A₁ 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 μmhos
Plate Resistance	0.35 meg.
Grid Bias for Plate Current = 10 μa	-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