



ELECTRONIC TUBE REFERENCE

K49CB

Specialized - Ballast electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
BALLAST

Battery-equipment ballast regulator designed to stabilize filament current in low-voltage receiver circuits and protect series-connected valve filaments from supply variation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Ballast

No fixed ratings recorded.

Ballast/resistance-tube voltage-drop and pilot-lamp tap ratings captured in parameters.

K49CB is a Raytheon resistance/ballast tube for AC-DC receiver filament strings with a pilot-lamp ballast tap.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Raytheon Radio Receiving Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1937 RAYTHEON RADIO RECEIVING TUBES

Section 1 · Ballast

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Voltage drop	49 V	At 300 mA
Operating current	300 mA	FilamentString
Pilot lamp voltage	10 V	Two 6.3 V 150 mA lamps in series
Pilot lamp voltage	6.8 V	One 6.3 V 200 mA lamp
Pilot lamp voltage	4.8 V	One 6.3 V 250 mA lamp