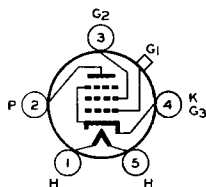


RCA-15

R-F AMPLIFIER PENTODE



The 15 is a heater-cathode pentode of the 2.0-volt type for use in battery-operated receivers that require a separate cathode connection.

CHARACTERISTICS

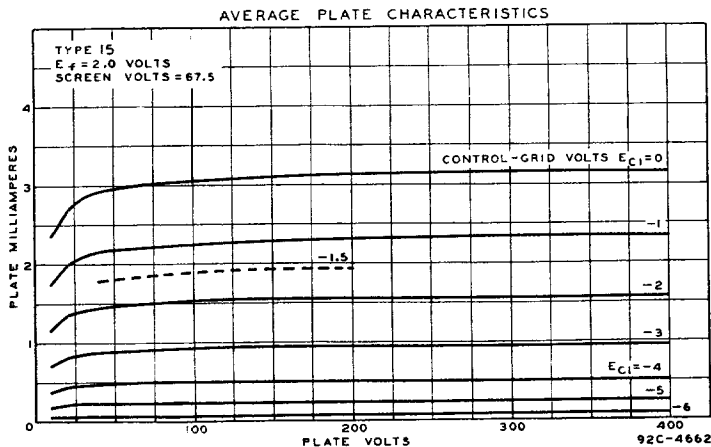
HEATER VOLTAGE (D. C.)	2.0	Volts
HEATER CURRENT	0.22	Ampere
PLATE VOLTAGE	67.5	135 max.
SCREEN VOLTAGE (Grid No. 2)	67.5	67.5 max.
GRID VOLTAGE (Grid No. 1)	-1.5	-1.5
PLATE CURRENT	1.85	1.85
SCREEN CURRENT	0.3	0.3
PLATE RESISTANCE	0.63	0.8
AMPLIFICATION FACTOR	450	600
TRANSCONDUCTANCE	710	750
GRID-PLATE CAPACITANCE (With shield-can)	0.01	$\mu\mu\text{f}$
INPUT CAPACITANCE	2.35	$\mu\mu\text{f}$
OUTPUT CAPACITANCE	7.80	$\mu\mu\text{f}$
BULB		ST-12
CAP		Small Metal
BASE		Small 5-Pin

INSTALLATION AND APPLICATION

The base pins of the 15 fit the standard five-pin socket which may be installed to hold the tube in any position.

The potential difference between heater and cathode should be kept as low as possible. In no event should it exceed 22.5 volts.

The APPLICATION of the 15 is similar to that of type 32. The heater-cathode construction permits operation where a separate cathode connection is required.





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