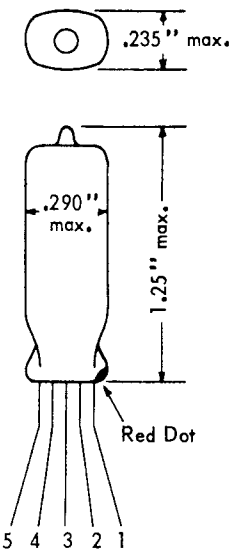
Excellence in Electronics

TYPE CK542DX

The CK542DX is a subminiature power amplifier pentode designed for use in portable and wearable equipment. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting the leads to a suitable length. It is electrically similar to type CK526AX.



MECHANICAL DATA

ENVELOPE: T-1½X2 Glass

BASE: None (0.016" tinned flexible leads. Length: 1.5" min. Spacing: 0.040" center-to-center.)

DIMENSIONS:

Maximum Overall Length	1.25 inches
Maximum Width	0.290 inches
Maximum Thickness	0.235 inches

TERMINAL CONNECTIONS: *(Red Dot is adjacent to Lead 1)*

Lead 1 Plate	Lead 4 Control Grid
Lead 2 Screen Grid	Lead 5 Filament, Negative *
Lead 3 Filament, Positive *	

MOUNTING POSITION: Any

ELECTRICAL DATA

RATINGS - ABSOLUTE MAXIMUM VALUES:

Filament Voltage (dc)	1.25±20% volts
Plate Voltage	30 volts
Screen Grid Voltage	30 volts
Cathode Current	0.7 ma.

CHARACTERISTICS AND TYPICAL OPERATION:

Filament Voltage (dc)	1.25	1.25 volts
Filament Current	15	15 ma.
Plate Voltage	15	22.5 volts
Screen Grid Voltage	15	22.5 volts
Control Grid Voltage	-1.5	-2.0 volts
No-Signal Plate Current	175	425 μa.
No-Signal Screen Grid Current	60	130 μa.
Peak A-F Grid Voltage	1.5	2.0 volts
Transconductance	210	325 μmhos
Plate Resistance	0.25	0.15 megohms
Load Resistance	75	50 kilohms
Total Distortion (approx.)	10	10 percent
Power Output	1.0	3.75 mw

* *Grid #3 is composed of two deflector plates, one being connected to lead 3 and the other to lead 5.*

Printed in U.S.A.

Tentative Data

RAYTHEON MANUFACTURING COMPANY

RECEIVING AND CATHODE RAY TUBE OPERATIONS

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