

Scheduled for Commercial Availability

MAY 1, 1953

RCA TRANSISTORS

POINT-CONTACT TYPES

RCA - 2N32

Point-contact type designed for large-signal applications such as switching circuits.

RCA - 2N33

Point-contact type designed for oscillator applications in the 50-Mc region.

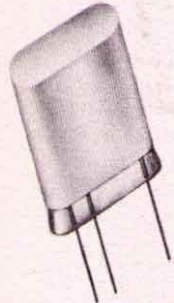
JUNCTION TYPES

RCA - 2N34

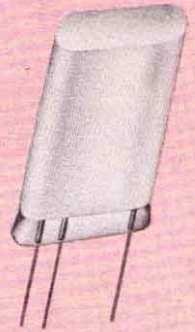
Junction p-n-p type designed for low-frequency, low-power amplifier applications.

RCA - 2N35

Junction n-p-n type designed for low-frequency, low-power amplifier applications.



Twice Actual Size



Twice Actual Size

PRELIMINARY AND TENTATIVE DATA

2N32

50 mw
-40 v
-8 ma
40 °C

2N33

30 mw
-8.5 v
-7 ma
40 °C

MAXIMUM RATINGS

Collector Dissipation
Collector Voltage
Collector Current
Ambient Temperature

2N34

50 mw
-25 v
-8 ma
50 °C

2N35

50 mw
25 v
8 ma
50 °C

CHARACTERISTICS

Typical Values at 25 °C

(Emitter Input, Base Common)

-25 v
0.5 ma
—
2.2
21 db*
31,000 ohms
400 ohms
140 ohms

-8 v
0.3 ma
—
2.3
22 db*
12,000 ohms
370 ohms
350 ohms

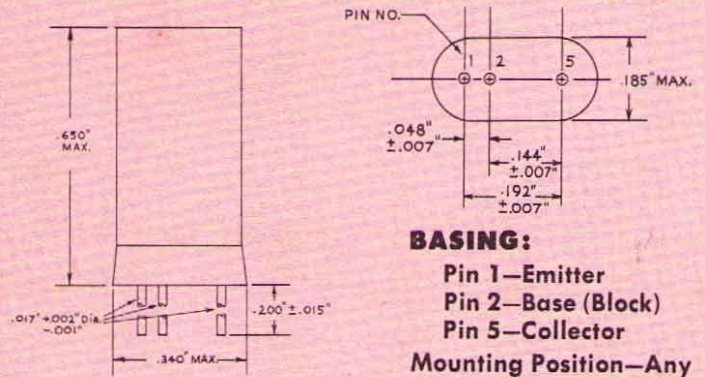
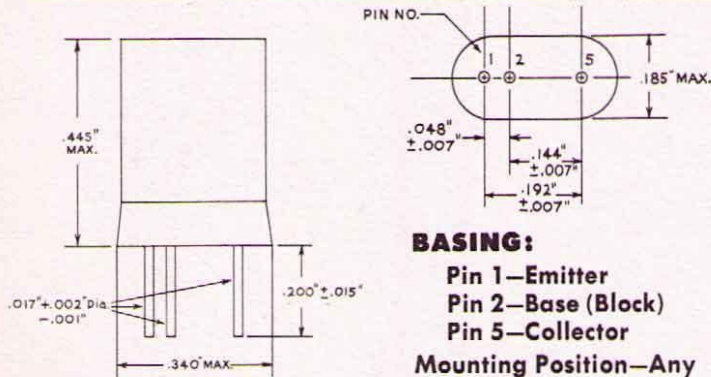
Collector Voltage
Emitter Current
Base Current
Current Amplification Factor
Operating Power Gain
Open Circuit Output Resistance
Open Circuit Input Resistance
Feedback Resistance

(Base Input, Emitter Common)

-6 v
1 ma
-25 ua
40
40 db†
6 v
-1 ma
25 ua
40
40 db†

*Measured with a collector load resistance of 10,000 ohms, a generator impedance of 500 ohms, and a signal frequency of 5000 cps.

†Measured with a collector load resistance of 30,000 ohms, a generator impedance of 500 ohms, and a signal frequency of 5000 cps.



RADIO CORPORATION of AMERICA

TUBE DEPARTMENT

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