



Excellence in Electronics

TYPE 2N63

The 2N63 is a hermetically sealed PNP junction transistor intended primarily for use in audio or low radio frequency applications. The tinned flexible 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.

MECHANICAL DATA

CASE: Metal and Glass
BASE: None (0.016" tinned flexible leads. Length: 1.5" min. Spacing: Leads 1-4 0.144" center-to-center; Other Leads 0.048" center-to-center)

TERMINAL CONNECTIONS:

Lead 1 Collector
Lead 4 Base
Lead 5 Emitter

MOUNTING POSITION: Any

ELECTRICAL DATA

RATINGS - ABSOLUTE MAXIMUM VALUES:

Table with 2 columns: Parameter and Value. Includes Collector Voltage, Peak Collector Voltage, Collector Current, Collector Dissipation, Emitter Current, and Ambient Temperature.

AVERAGE CHARACTERISTICS: (at 27°C)

Table with 2 columns: Parameter and Value. Includes Collector Voltage, Emitter Current, Collector Resistance, Base Resistance, Emitter Resistance, Base Current Amplification Factor, Cut-off Current, and Noise Factor.

AVERAGE CHARACTERISTICS - COMMON EMITTER: (at 27°C)

Table with 3 columns: Parameter, Value, and Reference. Includes Collector Voltage, Emitter Current, Input Resistance, Load Resistance, and Power Gain.

AVERAGE CHARACTERISTICS - COMMON COLLECTOR: (at 27°C)

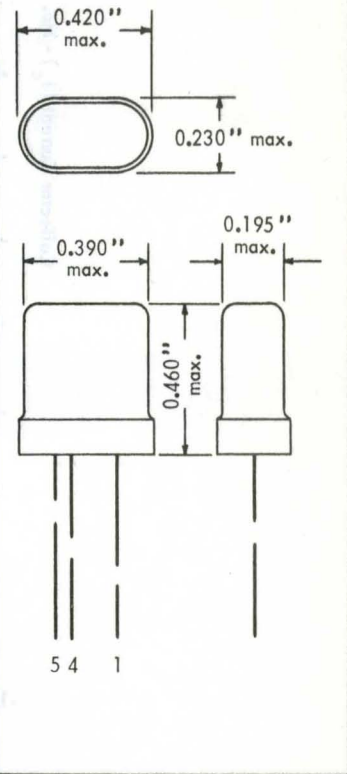
Table with 2 columns: Parameter and Value. Includes Collector Voltage, Emitter Current, Input Resistance, Load Resistance, and Power Gain.

AVERAGE CHARACTERISTICS - COMMON BASE: (at 27°C)

Table with 2 columns: Parameter and Value. Includes Collector Voltage, Emitter Current, Input Resistance, Load Resistance, and Power Gain.

- Notes regarding maximum operating temperature, measurement conditions, input impedances, ambient temperature effects, peak voltage, and collector voltage Vce.

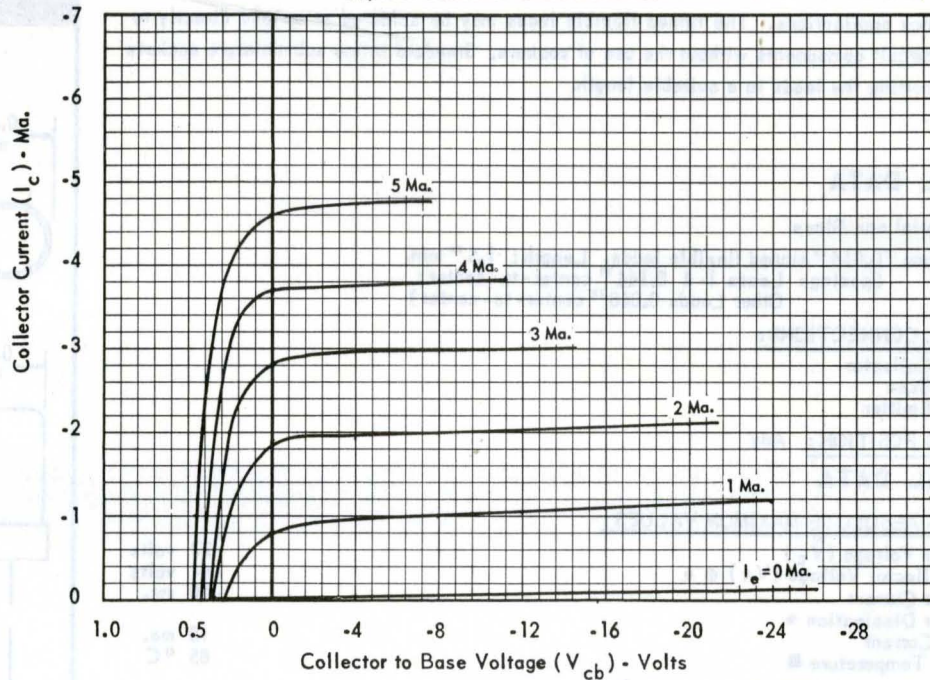
Tentative Data



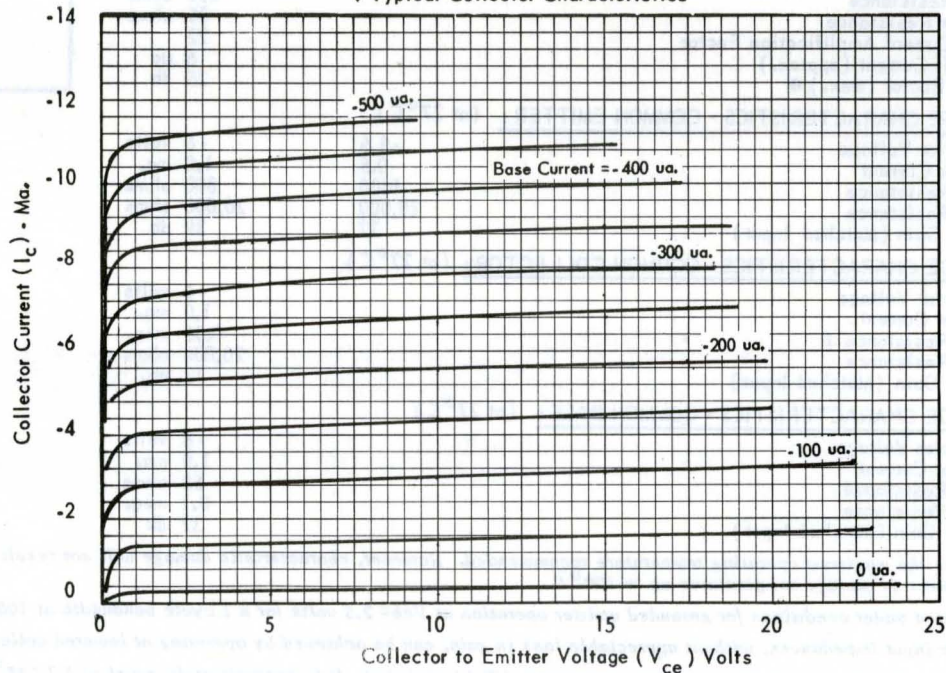


GERMANIUM TRANSISTOR

GROUNDING BASE  
Typical Collector Characteristics



GROUNDING EMITTER  
♦ Typical Collector Characteristics

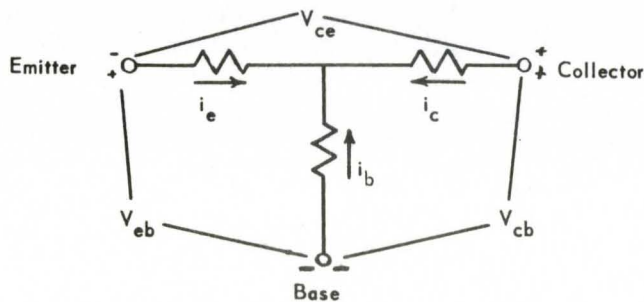
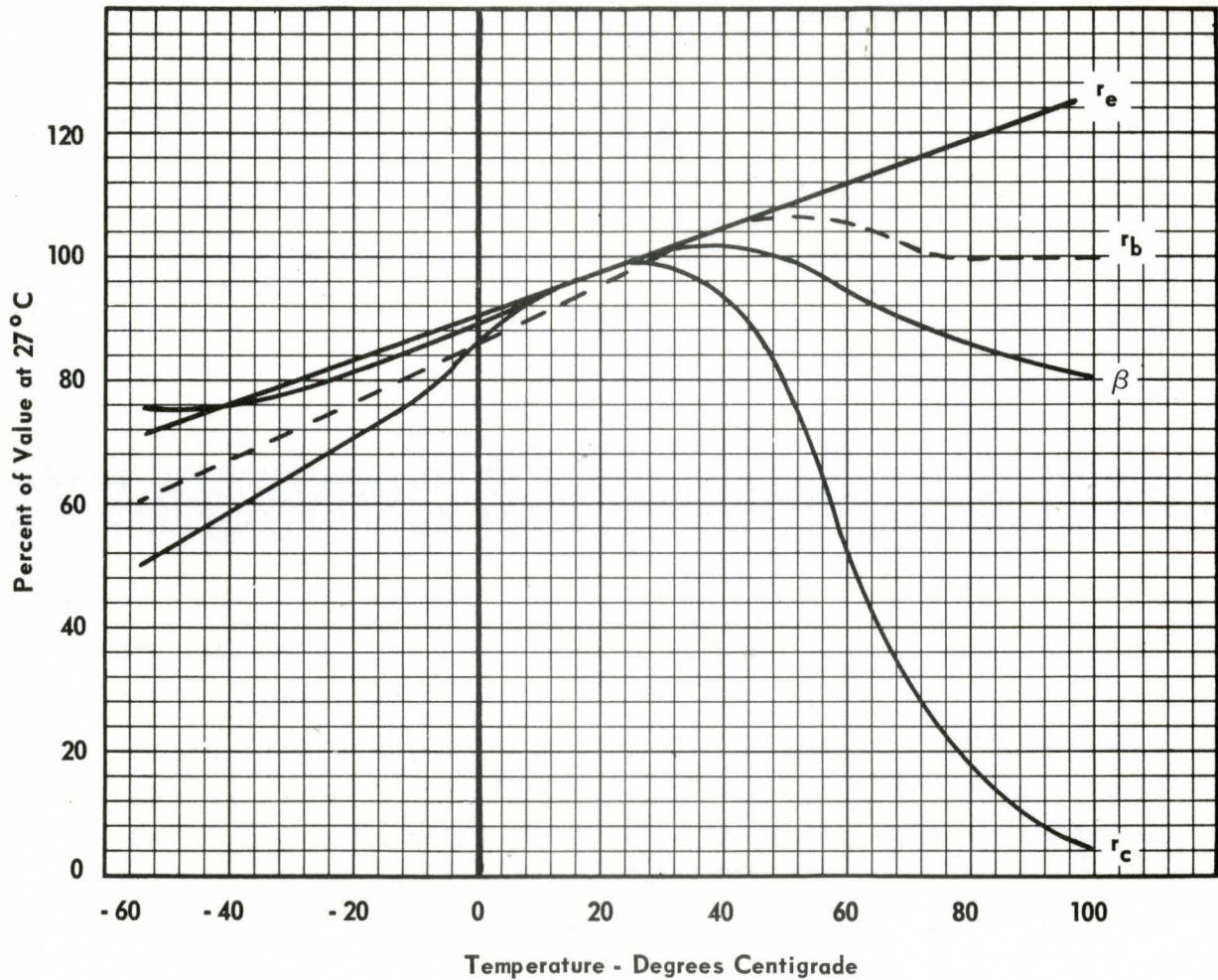


♦ This family is a function of  $1-\alpha$  and thus changes appreciably with small changes in  $\alpha$ .

RAYTHEON MANUFACTURING COMPANY  
RECEIVING AND CATHODE RAY TUBE OPERATIONS

GERMANIUM TRANSISTOR

TYPICAL CHARACTERISTICS AS  
A FUNCTION OF JUNCTION TEMPERATURE



Arrows refer to positive electrode current flow.