

MFRS. TYPE #2N2137A-2141A
 2N2142A-2146A
 ("Meg-A-Life")

I. General Description

This transistor is a PNP Germanium junction transistor designed primarily for low frequency power applications. It is intended for use in the following class of service: Industrial.

II. Absolute Maximum Ratings

A. Maximum Temperature

1. Storage Temperature -65°C to +100°C
2. Junction Temperature, T_C (Operating) +100°C

B. Maximum Voltage

	<u>2N2137A</u>	<u>2N2138A</u>	<u>2N2139A</u>	<u>2N2140A</u>	<u>2N2141A</u>
1. Emitter Base Voltage, V_{EBO}	15	25	30	40	45V
2. Collector Base Voltage, V_{CBO}	30	45	60	75	90V
3. Collector Emitter Voltage, V_{CES}	30	45	60	75	90V

C. Maximum Current

1. Emitter Current, I_E 3A
2. Collector, I_C 3A

III. Electrical Characteristics at 25°C Mounting Base Temperature
 Unless otherwise indicated

	<u>Min.</u>	<u>Max.</u>	<u>Units</u>
1. Collector Current, I_{CBO} Collector Current, $V_{CB} = 2V$	--	50	μ Adc
2. Collector Current, I_{CBO}	--	2	mAdc

$I_E = 0$

$V_{CB} = 30Vdc$	2N2137A, 2N2142A
45Vdc	2N2138A, 2N2143A
60Vdc	2N2139A, 2N2144A
75Vdc	2N2140A, 2N2145A
90Vdc	2N2141A, 2N2146A