



2N34

2N34

JUNCTION TRANSISTOR

P-N-P GERMANIUM TYPE
FOR LOW-POWER, LOW-FREQUENCY APPLICATIONS

DATA

General:

Maximum Overall Length	0.885"
Maximum Seated Length	0.670"
Width	0.320" ± 0.020"
Depth	0.165" ± 0.020"
Case	Plastic
Base	Small-Oblong Linotetras 3-Pin
Mounting Position	Any

AUDIO-FREQUENCY AMPLIFIER SERVICE

Voltages are given with respect to base connection

Maximum Ratings, Absolute Values:

COLLECTOR:		
DC Voltage	-25 max.	volts
DC Current	-8 max.	ma
Dissipation	50 max.	mw
EMITTER:		
DC Current	8 max.	ma
AMBIENT TEMPERATURE	50 max.	°C

Characteristics at Ambient Temperature of 25°C:

*With input circuit between base connection and emitter,
and output circuit between collector and emitter*

Collector:		
DC Voltage	-6	volts
DC Current	-10 [▲]	μamp
DC Emitter Current [●]	1	ma
DC Base-Connection Current	-25	μamp
Current Amplification Factor (Approx.):		
Between Emitter and Collector	0.98	
Between Base Connection and Collector	40	
Power Gain*	40	db

- ▲ with collector voltage of -12 volts and emitter current of 0 milli-amperes.
- obtained by adjusting a variable resistor in series with the power supply to give the desired current.
- * with collector load resistance of 30000 ohms, signal-source impedance of 500 ohms, and signal frequency of 5000 cycles per second.

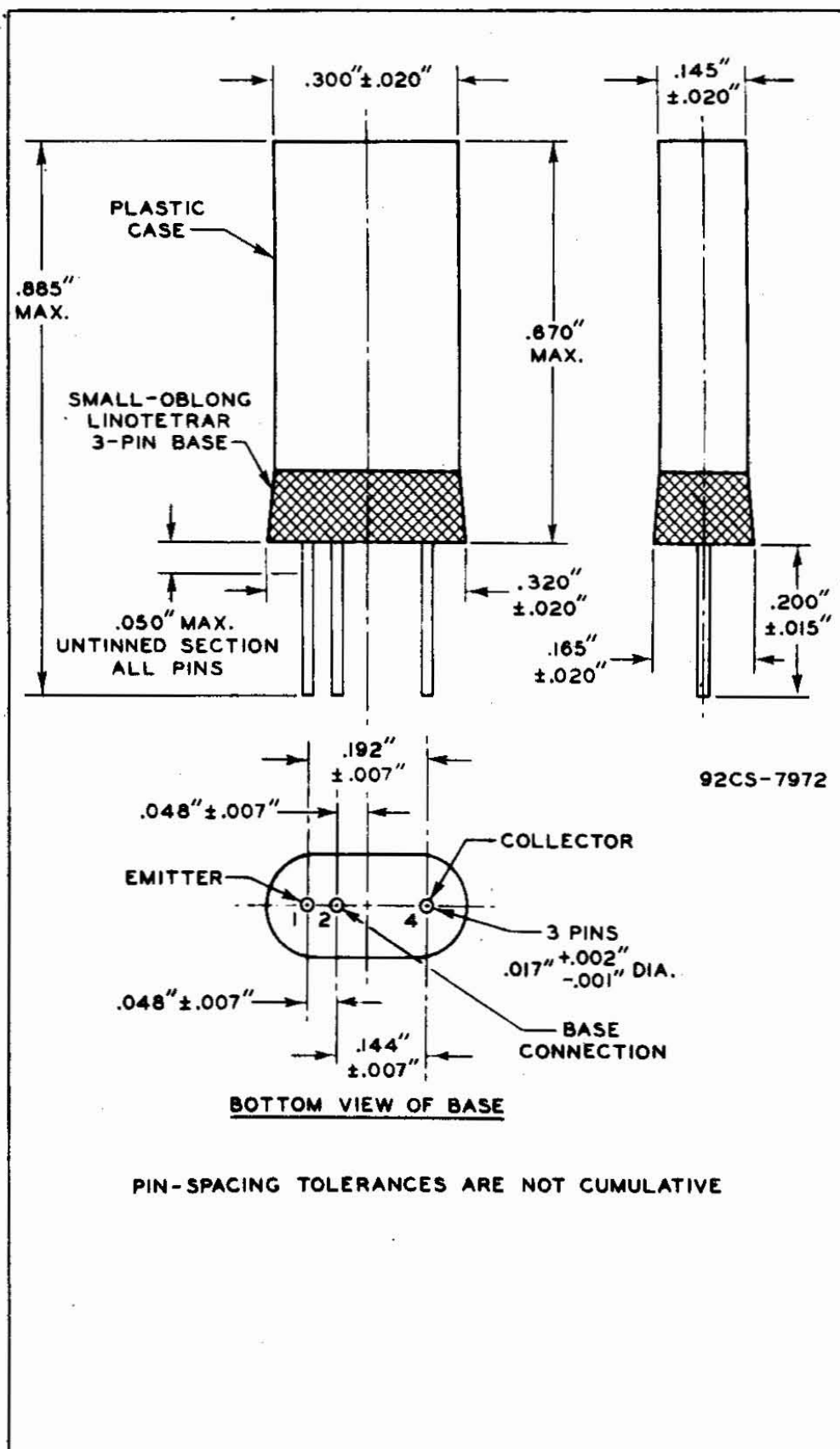
The 2N34 should not be inserted into or withdrawn from its socket with the power "on" because high transient currents may cause permanent damage to the transistor.

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PIN-SPACING TOLERANCES ARE NOT CUMULATIVE

JUNE 1, 1953

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CE-7972

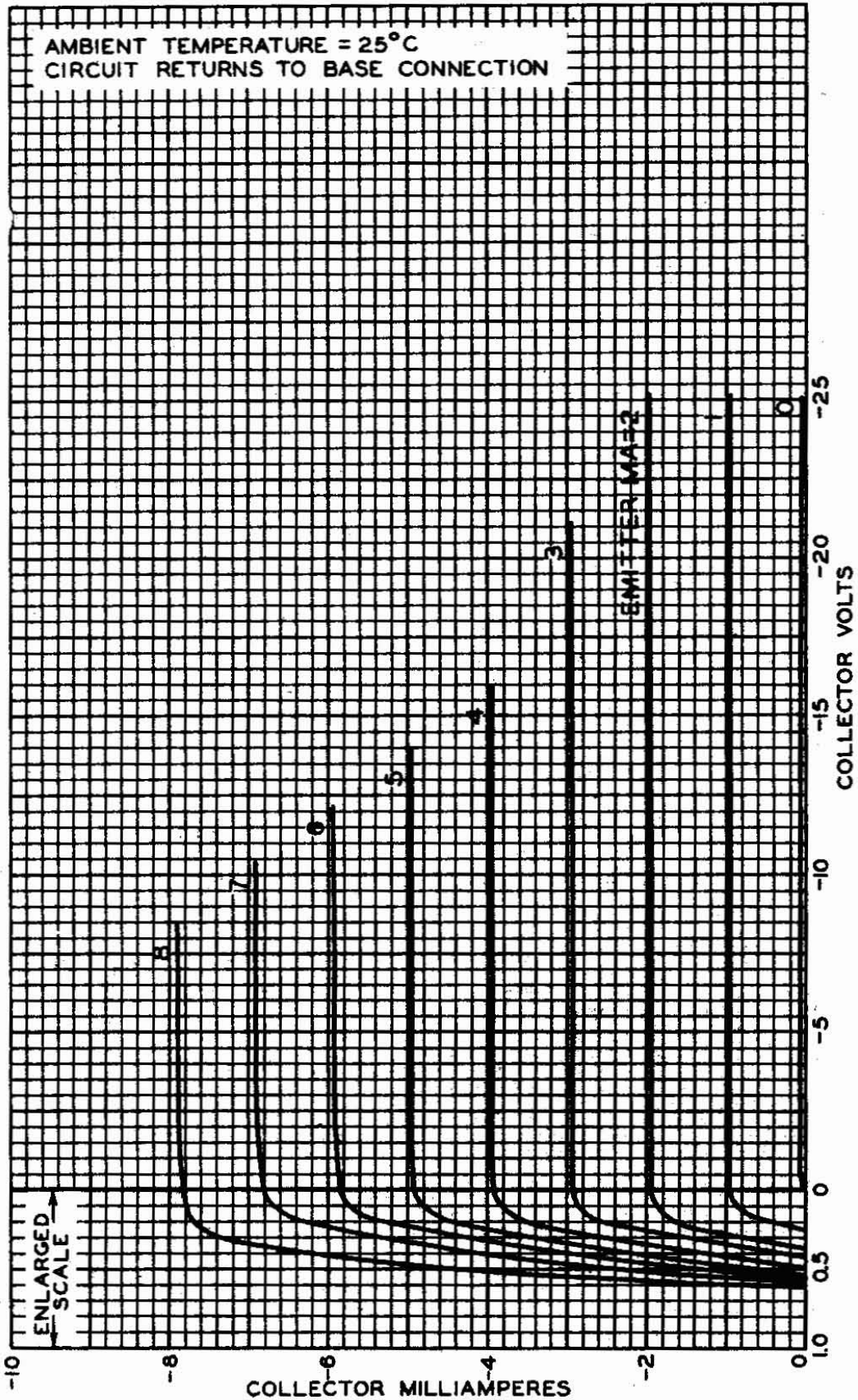
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AVERAGE COLLECTOR CHARACTERISTICS



APR. 8, 1953

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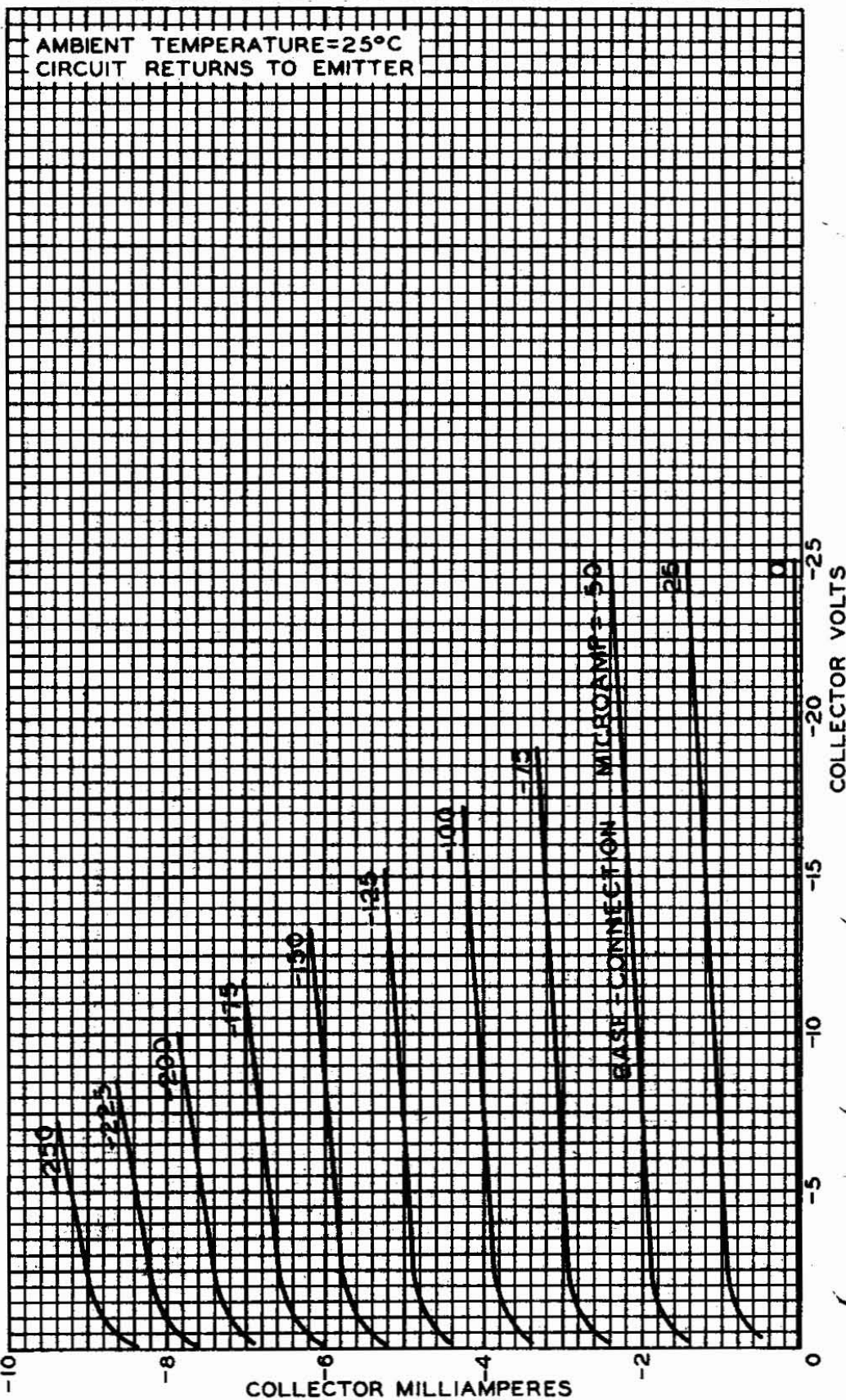
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AVERAGE COLLECTOR CHARACTERISTICS



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