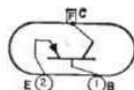


POWER TRANSISTOR



Germanium p-n-p type used in high-fidelity audio-frequency amplifier applications. This type is intended primarily for use in push-pull class B output circuits requiring low distortion and wide frequency

response. It can also be used in class A af power amplifiers in driver- or output-stage circuits. This type features high dc beta and linear gain characteristics up to five amperes. JEDEC No. TO-3 package; outline 5, Outlines Section. This type is similar to type 40050 except for the following items:

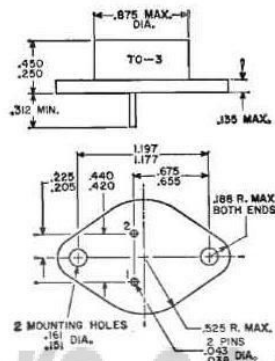
CHARACTERISTICS

Collector-to-Base Breakdown Voltage	-50 min	volts
Collector-to-Emitter Breakdown Voltage	-50 min	volts

TYPICAL OPERATION IN CLASS B PUSH-PULL AF AMPLIFIER CIRCUIT

DC Collector Supply Voltage	-22	volts
Zero-Signal DC Collector Current	-50	ma
Zero-Signal Base-Bias Voltage	-0.17	volt
Peak Collector Current	-3.5	amperes
Maximum-Signal DC Collector Current	-1.1	amperes
Input Impedance of Stage (per stage)	31	ohms
Load Impedance (speaker voice coil)	4	ohms
Power Gain	28	db
Maximum-Signal Power Output	25	watts
Total Harmonic Distortion	5	per cent
Maximum Collector Dissipation (per transistor)	12.5	watts
EIA Music Power Output Rating	45	watts

40051



-5-