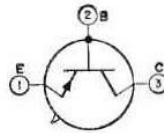


TRANSISTOR

2N395

Germanium p-n-p type used in medium-speed switching applications in data-processing equipment. JEDEC No. TO-5 package; outline 6, Outlines Section.



MAXIMUM RATINGS

Collector-to-Base Voltage (with emitter open)	-30 max	volts
Collector-to-Emitter Voltage (with external base-to-emitter resistance = 10000 ohms)	-15 max	volts
Emitter-to-Base Voltage (with collector open)	-20 max	volts
Collector Current	-200 max	ma
Transistor Dissipation:		
At ambient temperatures up to 25°C	150 max	mw
At ambient temperatures above 25°C	See curve	page 80
Ambient-Temperature Range:		
Operating	-65 to 85	°C
Storage	-65 to 100	°C
Lead Temperature (for 10 seconds maximum)	230 max	°C

CHARACTERISTICS

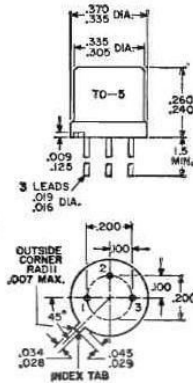
Collector-to-Emitter Saturation Voltage (with collector ma = 50 and base ma = -5)	-0.2 max	volt
Collector-Cutoff Current (with collector-to-base volts = -15 and emitter current = 0)	-6 max	µa

In Common-Base Circuit

Collector-to-Base Capacitance (with collector-to-base volts = -5 and emitter ma = 1)	20 max	pf
Forward Current-Transfer Ratio Cutoff Frequency (with collector-to-base volts = -5 and emitter ma = 1)	3 min	Mc

In Common-Emitter Circuit

DC Forward Current-Transfer Ratio:		
With collector-to-emitter volts = -1 and collector ma = -10	20 to 150	
With collector-to-emitter volts = -0.35 and collector ma = -200	10 min	



-6-