High DC Current Gain
Excellent Gain Linearity
High SOA
These Devices are Pb Free and are RoHS Compliant*

MAXIMUM RATINGS

Rating	Symbol	Value	Unit
Collector−Emitter Voltage	V_{CEO}	250	Vdc
Collector−Base Voltage	V_{CBO}	400	Vdc
Emitter−Base Voltage	V_{EBO}	5	Vdc
Collector−Emitter Voltage − 1.5 V	V_{CEX}	400	Vdc
Collector Current − Continuous	I_C	16	Adc
Collector Current − Peak (Note 1)	I_{CM}	30	Adc
Base Current − Continuous	I_B	5	Adc
Total Power Dissipation @ T_C = 25 C Derate Above 25 C	P_D	250 1.43	

ELECTRICAL CHARACTERISTICS (T_C = 25 C unless otherwise noted)

Characteristic	Symbol	Min	Typ	Max	Unit
OFF CHARACTERISTICS					
Collector					

MJ21193 PNP MJ21194 NPN

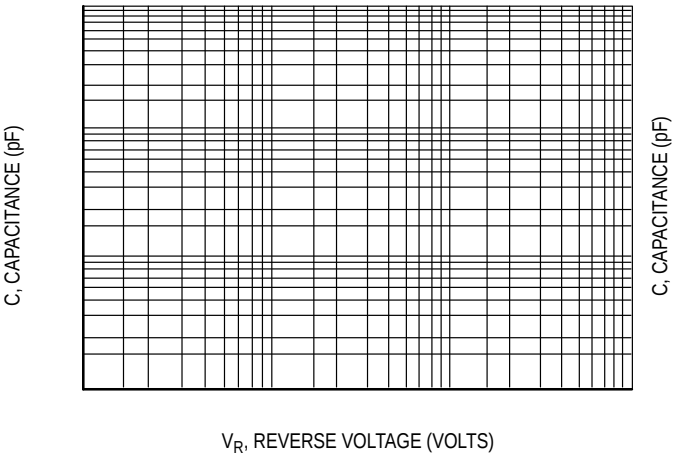


Figure 14. MJ21193 Typical Capacitance

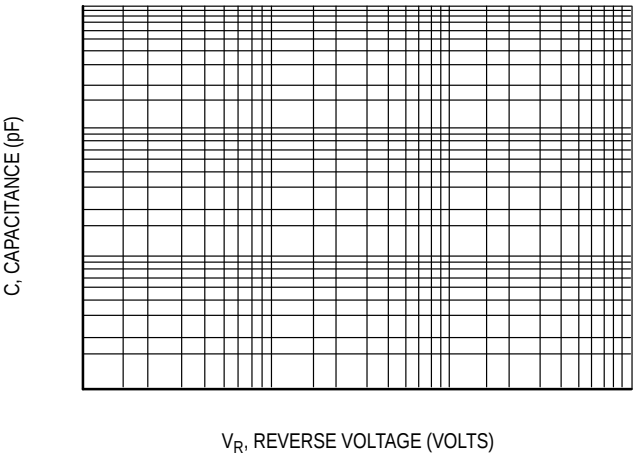
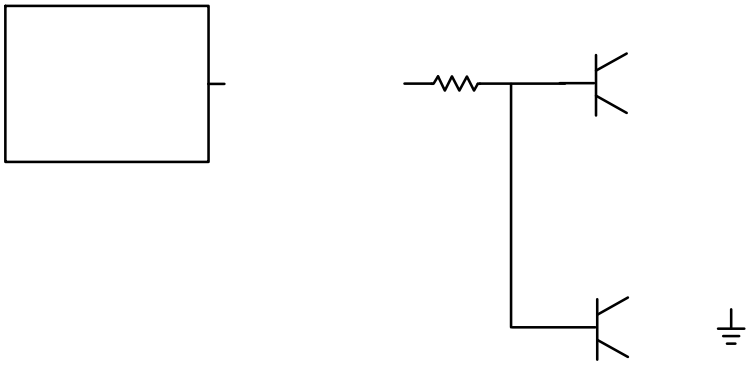


Figure 15. MJ21194 Typical Capacitance

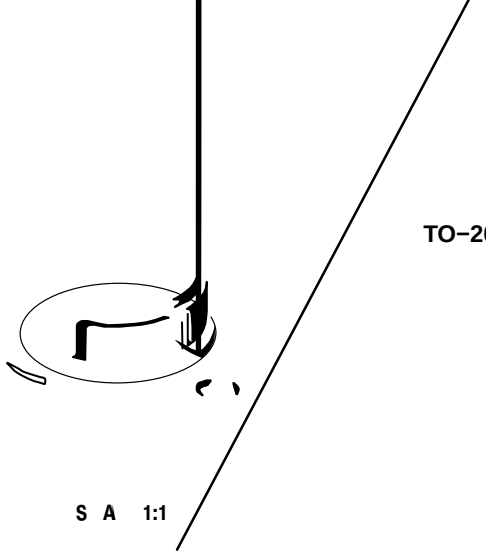


E 6:
1. A E
2. E E
CA E: C EC

E 7:
1. A DE
2. E
CA E: CA DE

E 8:
1. CA DE #1
2. CA DE #2
CA E: A DE

E 9:
1. A DE #1
2. A DE #2
CA E: CA DE



TO-204 (TO-3)

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S A 1:1

E
1. D E A D E A C E A
14.5 , 1982.
2. C D E : C .
3. A E A D E A CA ED
EFE E CED -204AA E A A .