





D561 Certificate Number: E17276

MJL21194A

Silicon NPN Power Transistor

TO-3PL

DESCRIPTION

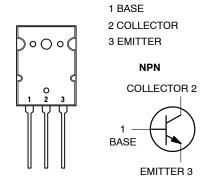
- High Collector-Emitter Breakdown Voltage V(BR)CEO= 250V(Min)
 High DC Current Gain hFE = 25 Min @ IC = 8 Adc
- Complement to Type MJL21193
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

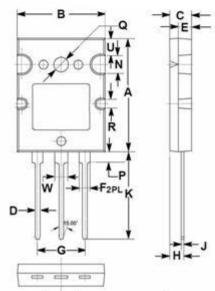
APPLICATIONS

Perforated Emitter technology high power audio output, disk head positioners linear applications

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	400	V
V _{CEO}	Collector-Emitter Voltage	250	V
V _{EBO}	Emitter-Base Voltage	5	V
Ic	Collector Current-Continuous	16	Α
I _B	Base Current-Continuous	5	А
Pc	Collector Power Dissipation @ T _C =25℃	200	W
Тл	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-55~150	°C





	mm		
DIM	MIN	MAX	
Α	25.50	26.50	
В	19.80	20.20	
C	4.50	5.50	
D.	0.90	1.10	
E	2.80	3.20	
F	2.40	2.60	
G	10.80	11.00	
Н	3.10	3.30	
J	0.50	0.70	
K	20.00	21.00	
N.	3.90	4.50	
Р	2.40	2.60	
Q	3.10	3.50	
R	1.90	2.60	
U	3.90	4.10	
W	2.90	3.25	







ficate Number: Q10561 Certificate Number: E1

ELECTRICAL CHARACTERISTICS

Tc=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = 50mA; I _B = 0	250		V
V _{CE} (sat)-1	Collector-Emitter Saturation Voltage	I _C = 8.0A; I _B = 0.8A		1.4	V
V _{CE(sat)-2}	Collector-Emitter Saturation Voltage	I _C = -16A; I _B = -3.2A		4.0	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = 8A; V _{CE} = 5V		2.2	V
I _{CEO}	Collector Cutoff Current	V _{CE} = 200V; I _E = 0		100	μА
I _{EBO}	Emitter Cutoff Current	V _{EB} = 5V; I _C = 0		100	μА
h _{FE-1}	DC Current Gain	I _C = 8A; V _{CE} = 5V	25	75	
h _{FE-2}	DC Current Gain	I _C = 16A; V _{CE} = 5V	8		
Сов	Output Capacitance	I _E =0; V _{CB} = 10V; f= 1.0MHz		600	pF
f⊤	Current-Gain—Bandwidth Product	I _C = 1A; V _{CE} = 5V	10		MHz

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