DESCRIPTION

- Collector–Emitter Sustaining Voltage–
  : $V_{CEO(SUS)}$ = 300 V(Min)
- DC Current Gain–
  : h_{FE} = 100(Min) @ I_C= 50mA
- Low Collector Saturation Voltage–
  : $V_{CE(sat)}$ = 1.0V(Max.)@ I_C= 50mA
- Complement to the NPN MJE340

APPLICATIONS

- Designed for high voltage and general purpose applications.

ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	300	V
V_{CEO}	Collector-Emitter Voltage	-300	V
V_{EBO}	Emitter-Base Voltage	-3	V
I_C	Collector Current-Continuous	-0.5	A
P_C	Collector Power Dissipation T_C=25℃	20	W
T_j	Junction Temperature	150	℃
T_{stg}	Storage Temperature Range	-65~150	℃

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j\text{-}c}$	Thermal Resistance,Junction to Case	6.25	℃/W

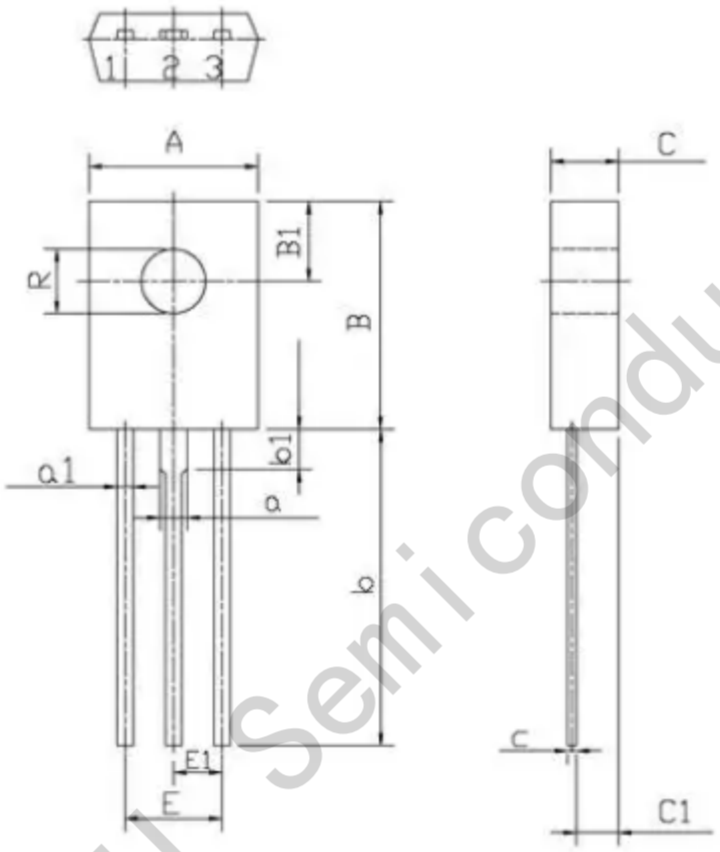
ELECTRICAL CHARACTERISTICS

T_C =25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{CEO(SUS)}$	Collector-Emitter Sustaining Voltage	I_C= 1.0mA; I_B= 0	-300		V
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage	I_C= 1.0mA; I_E= 0	-300		V
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage	I_E= 1.0mA; I_C= 0	-3		V
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	I_C= 50mA ;I_B= 5mA		-1.0	V
I_{CBO}	Collector Cutoff Current	V_{CB}= 300V; I_E= 0		-0.1	mA
I_{EBO}	Emitter Cutoff Current	V_{EB}= 3V; I_C= 0		-0.1	mA
h_{FE}	DC Current Gain	I_C= 50m A ; V_{CE}= 10V	30	240	

Package Information

TO-126F



Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
A	7.8	8.2	a1	0.66	0.86
B	10.8	11.2	E	4.4	4.8
B1	3.8	4.2	C	3.1	3.3
R	2.95	3.15	C1	1.9	2.1
b	14	16	c	0.3	0.6
b1	1.9		a	1.27	
E1	2.1	2.5			