



Features

- Medium Power Complementary Silicon Transistors

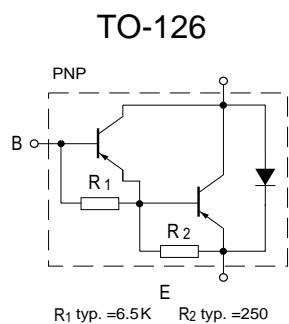


Package Marking and Ordering Information

Product ID	Pack	Packing Method	Qty(PCS)
TIP127	TO-126	Bulk	200

Maximum Ratings (Ta=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-100	V
V _{CEO}	Collector-Emitter Voltage	-100	V
V _{EBO}	Emitter-Base Voltage	-6	V
I _C	Collector Current -Continuous	-5	A
P _C	Collector Dissipation	2	W
T _J , T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C

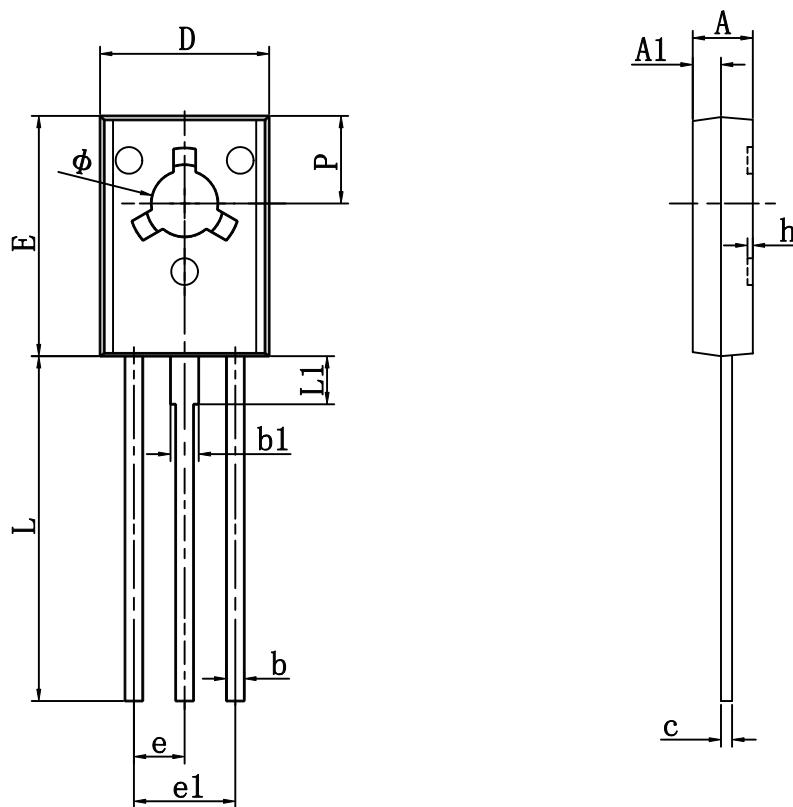


Electrical Characteristics(Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C = -0.1mA , I _E =0	-100			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C = -10mA , I _B =0	-100			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E = -1mA , I _C =0	-6			V
Collector cut-off current	I _{CBO}	V _{CB} = -100V, I _E =0			-1	µA
Collector cut-off current	I _{CEO}	V _{CE} = -100V, I _B =0			-1	µA
Emitter cut-off current	I _{EBO}	V _{EB} =-10V, I _C =0			-2.5	mA
DC current gain	h _{FE}	V _{CE} = -5V, I _C = -2A	2000		8000	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-3A, I _B = -12mA		-1.2	-1.8	V



TO-126 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	2.500	2.900	0.098	0.114
A1	1.100	1.500	0.043	0.059
b	0.660	0.860	0.026	0.034
b1	1.170	1.370	0.046	0.054
c	0.450	0.600	0.018	0.024
D	7.400	7.800	0.291	0.307
E	10.600	11.000	0.417	0.433
e	2.290 TYP		0.090 TYP	
e1	4.480	4.680	0.176	0.184
h	0.000	0.300	0.000	0.012
L	15.300	15.700	0.602	0.618
L1	2.100	2.300	0.083	0.091
P	3.900	4.100	0.154	0.161
Φ	3.000	3.200	0.118	0.126



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