

/ Descriptions

Silicon NPN transistor in a TO-251 Plastic Package.

/ Features

Low $V_{CE(sat)}$, complementary to KTA1040I.

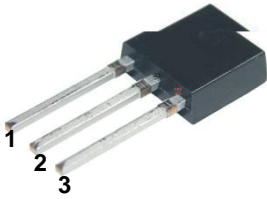
/ Applications

General purpose amplifier for surface mount applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

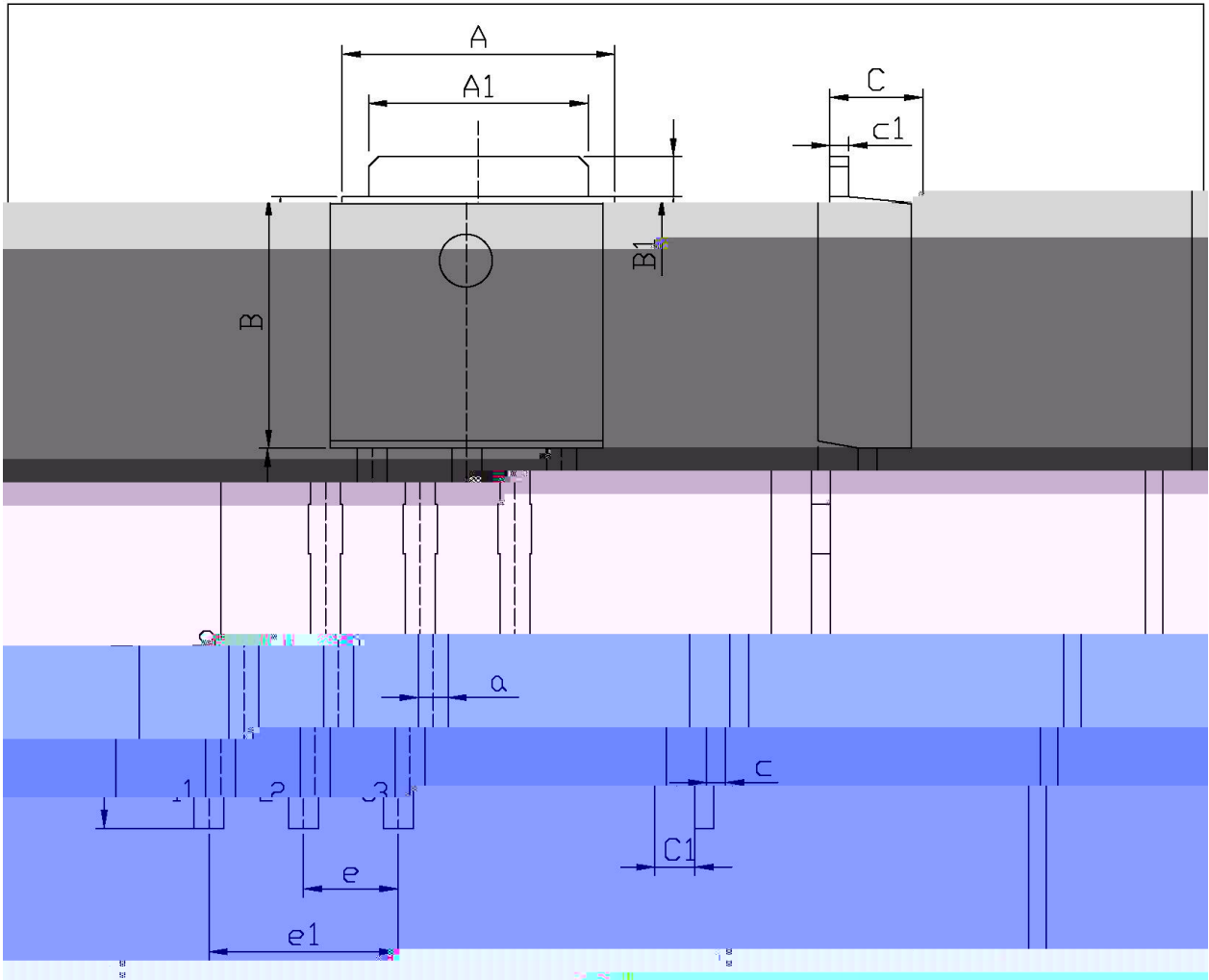
/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	Y	GR
h_{FE} Range	100 200	150 300

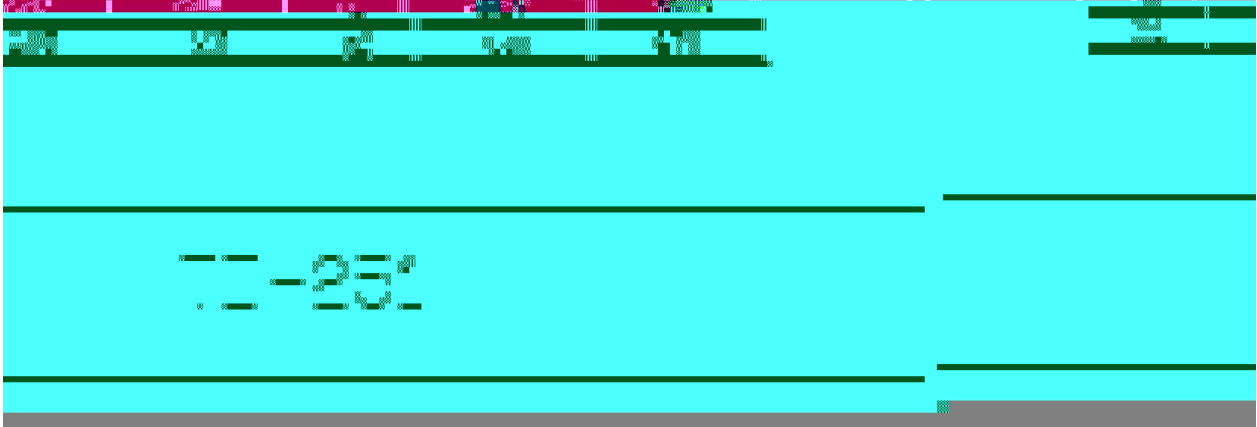
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	60	V
Emitter to Base Voltage	V_{EBO}	7.0	V
Collector Current - Continuous	I_C	3.0	A
Base Current - Continuous	I_B	0.5	A
Collector Power Dissipation	P_C	1.0	W
Collector Power Dissipation	$P_C(T_C=25^\circ C)$	20	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

S10.5 0()TET55.6274 18refB10.5 0 0 10.5 702 0 0 702 340.14 611.00T0f55.62 51o0.00058 ref55.62

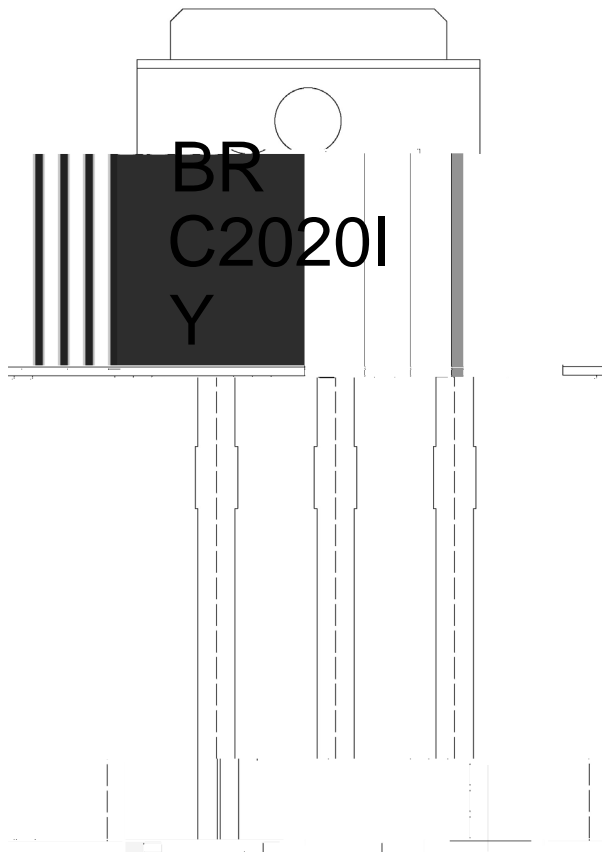
/ Package Dimensions



Symbol		Dimensions in Millimeters		Symbol		Min
Max	Symbol	Min	Max	Symbol	Min	
6.75	a	0.50	0.70	A	6.4	
5.50	b	9.00	9.40	A1	5.1	
6.75	C	7.50	7.55	B	5.7	
1.25	c1	0.45	0.55	B1	0.4	



/ Marking Instructions



Note:

BR: Company Code

C2020I: Product Type.

Y: h_{FE} Classifications Symbol

****: Lot No. Code, code change with Lot No.

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