/ Descriptions

TO-251 NPN Silicon NPN transistor in a TO-251 Plastic Package.

/ Features

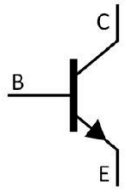
, KTA1040I

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

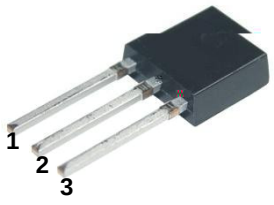
/ Applications

General purpose amplifier for surface mount applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

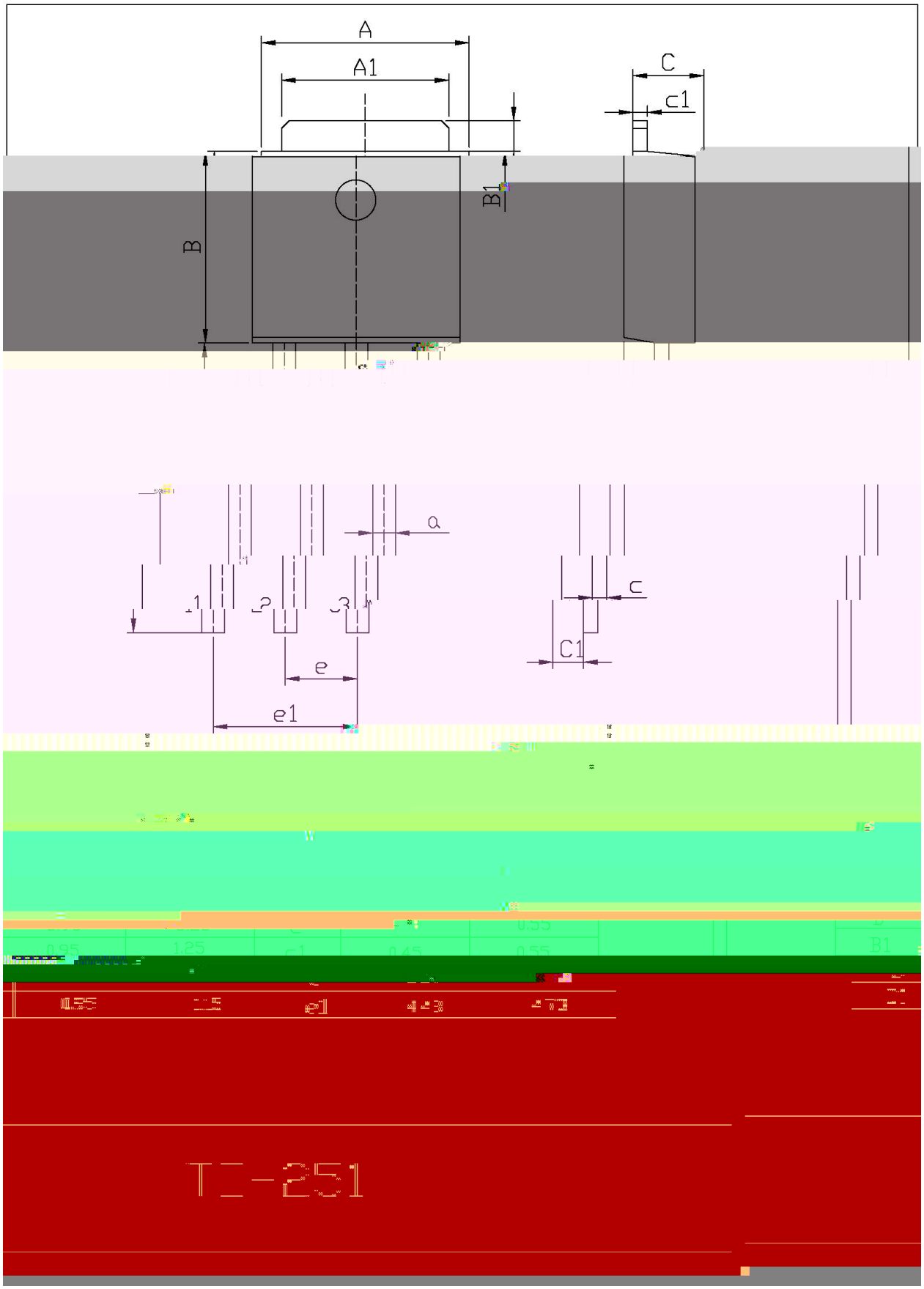
/ h_{FE} Classifications & Marking

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

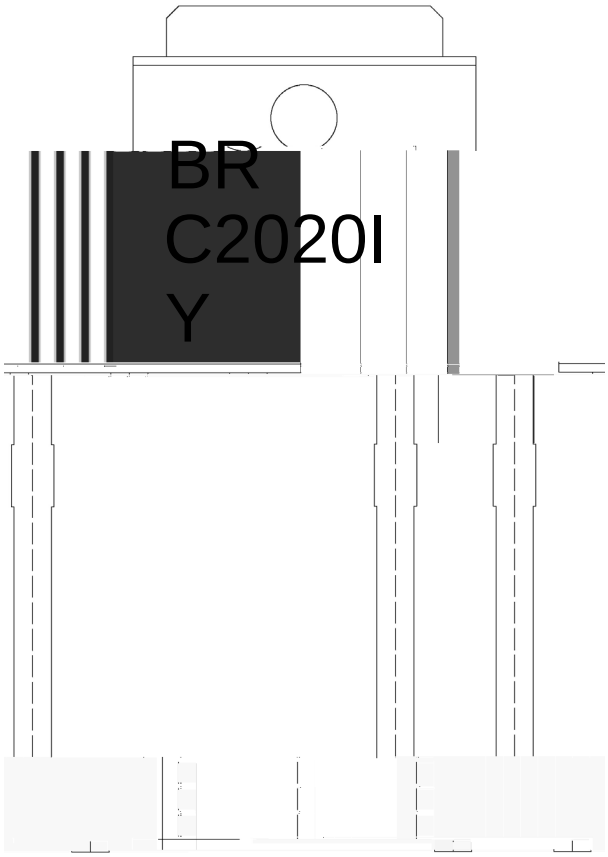
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	60	V
Emitter to Base Voltage	V_{EBO}	7.0	V
Collector Current - Continuous	I_C	3.0	A
Base Current - Continuous	I_B	0.5	A
Collector Power Dissipation	P_C	1.0	W
Collector Power Dissipation	P_C(TC=25)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

S10.5 0( )TJET55.627 4 [48 refB10.5 0 0 10.5 702 0 0 702 340.14 611.00T0f55.62 51o0.00058 ref55.62

/ Package Dimensions



/ Marking Instructions



BR

C2020I

Y: h_{FE}

****

Note:

BR:	Company Code
C2020I:	Product Type.
Y:	h_{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.

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