

# KTC2020I

Rev.E Mar.-2016

## / Descriptions

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

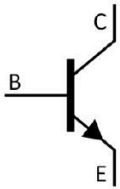
## / Features

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

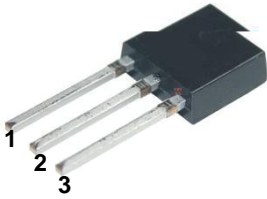
## / Applications

General purpose amplifier for surface mount applications.

## / Equivalent Circuit



## / Pinning



PIN1   Base          PIN 2   Collector          PIN 3   Emitter

## / $h_{FE}$ Classifications & Marking

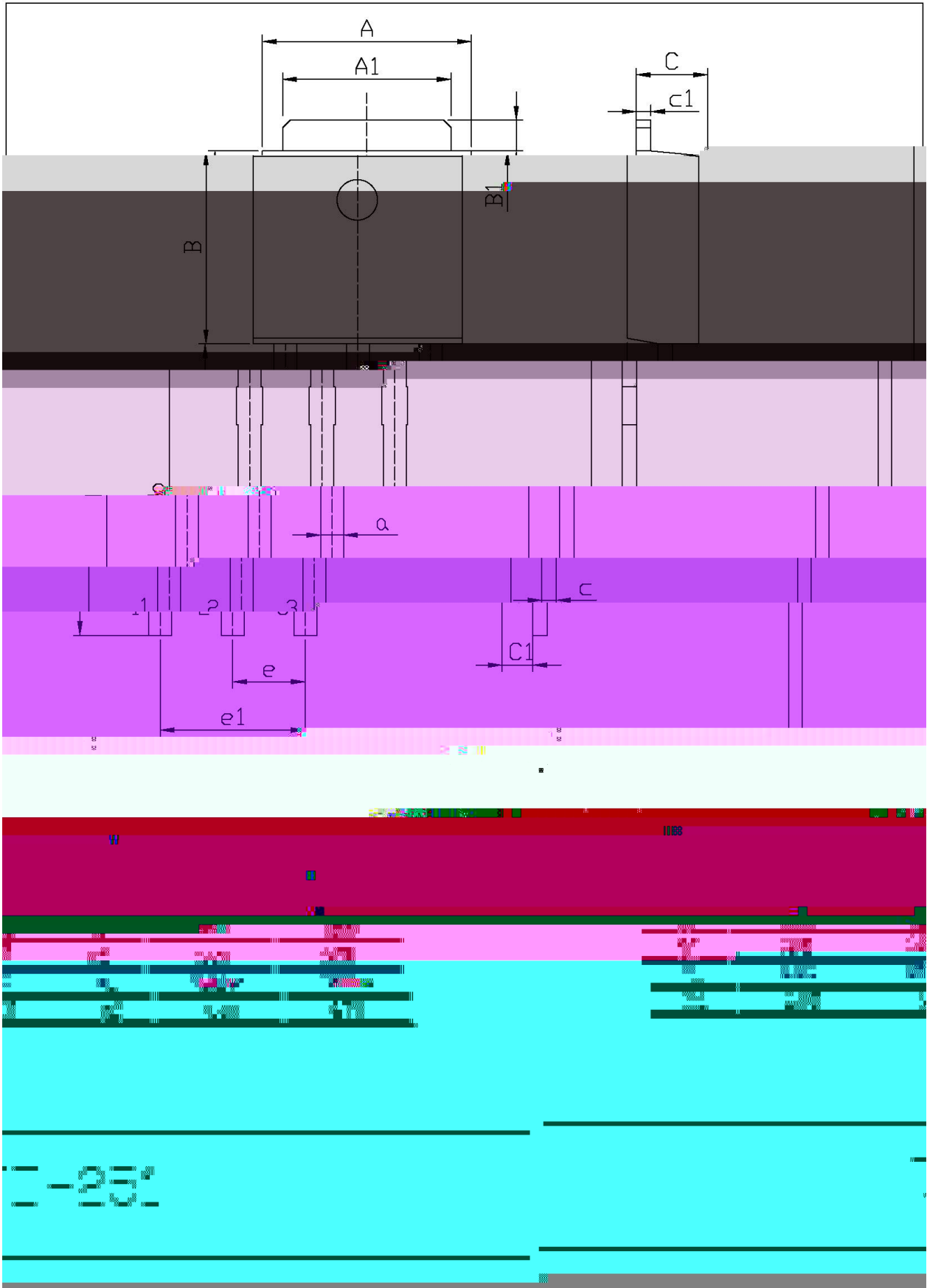
$h_{FE}$ Classifications Symbol	Y	GR
$h_{FE}$ Range	100 200	150 300

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	$P_C(T_C=25 \text{ }^\circ\text{C})$	20	W
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

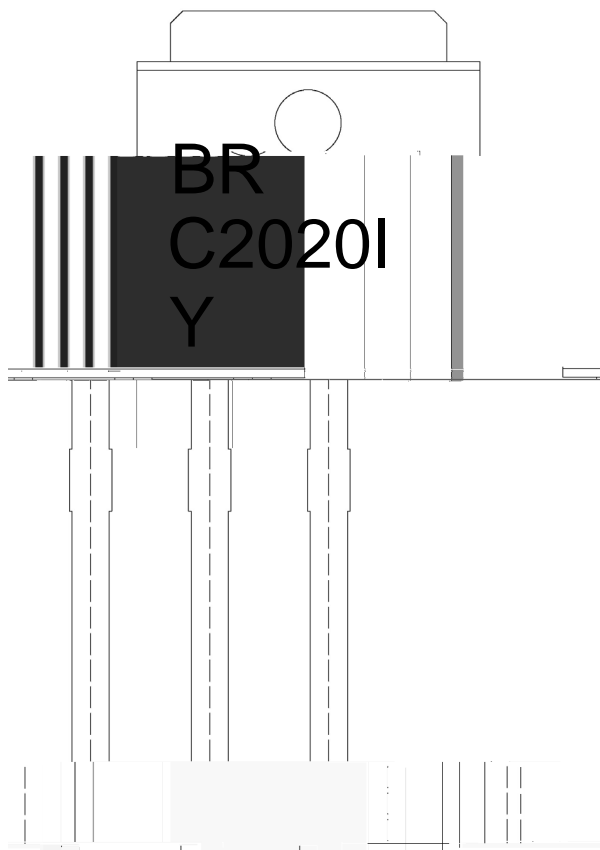
**S10.5 0( )TET55.6274 18refB10.5 0 0 10.5 702 0 0 702 340.14 611.00T0f55.62 51o0.00058 ref55.62**



/ Package Dimensions



/ Marking Instructions



BR

C2020I

Y:  $h_{FE}$

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Note:

BR: Company Code

C2020I: Product Type.

Y:  $h_{FE}$  Classifications Symbol

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

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