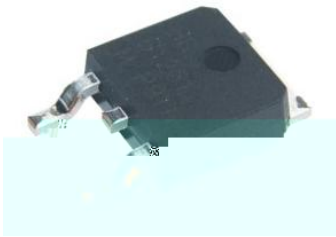


Rev.E May.-2016

TO-252 NPN Silicon NPN transistor in a TO-252 Plastic Package.

 , KTA1040D
 Low $V_{CE(sat)}$, complementary to KTA1040D.

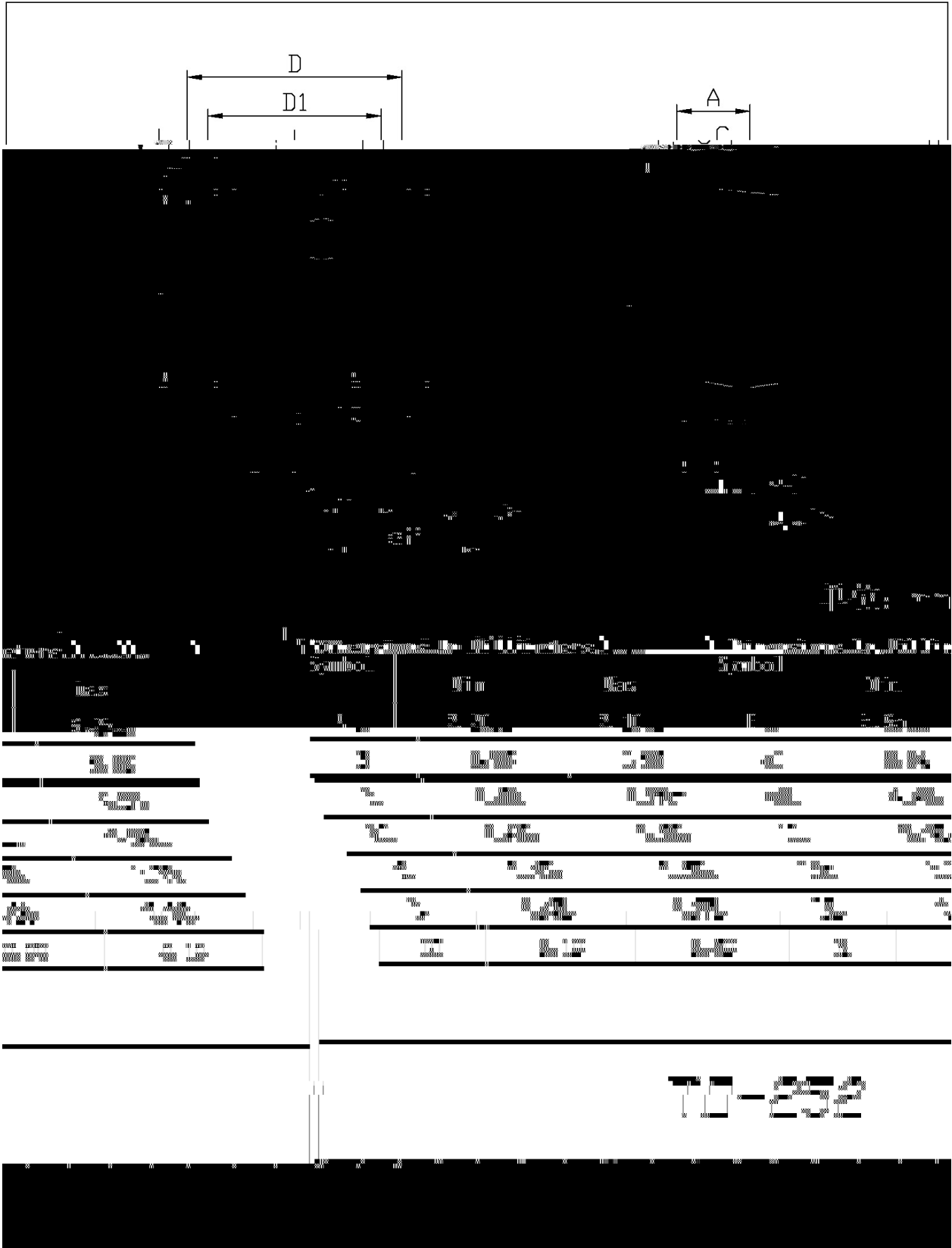
General purpose amplifier for surface mount applications.

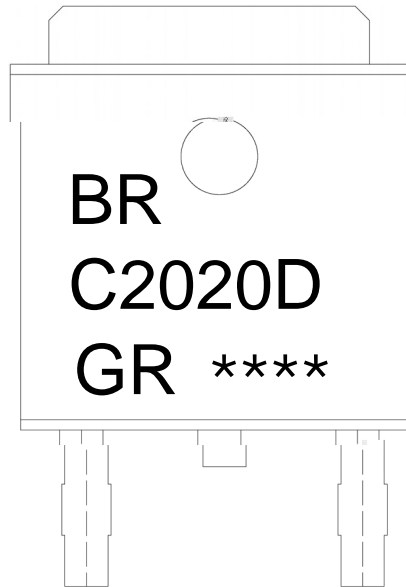


PIN1 Base PIN 2,4 Collector PIN 3 Emitter

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







BR

C2020D

GR

h_{FE}

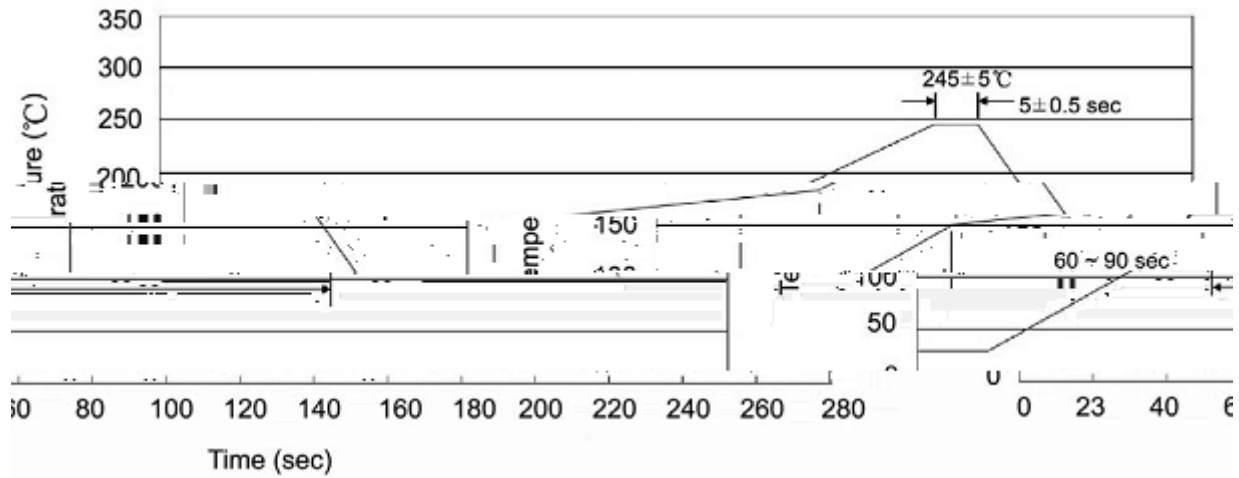
Note:

BR: Company Code

C2020D: Product Type.

GR: h_{FE} Classifications Symbol

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

Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- | | | | | | |
|---|-------|-----|-----------|--------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | | 5±0.5sec; | | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

 260 ± 5
 $10 \pm 1 \text{ sec.}$

 Temp.: 260 ± 5

 Time: $10 \pm 1 \text{ sec}$

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
TO-252	2,500	2	5,000	5	25,000	13 ×16	360×360×50	385×257×392

/ TUBE

Package Type	Units					Dimension (unit mm ³)		
	Units/Tube	Tubes/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Tube	Inner Box	Outer Box
TO-251/252	75	48	3,600	5	18,000	526×20.5×5.25	555×164×50	575×290×180