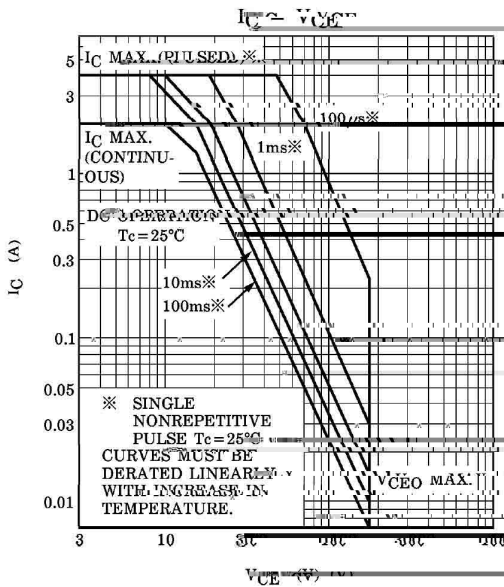
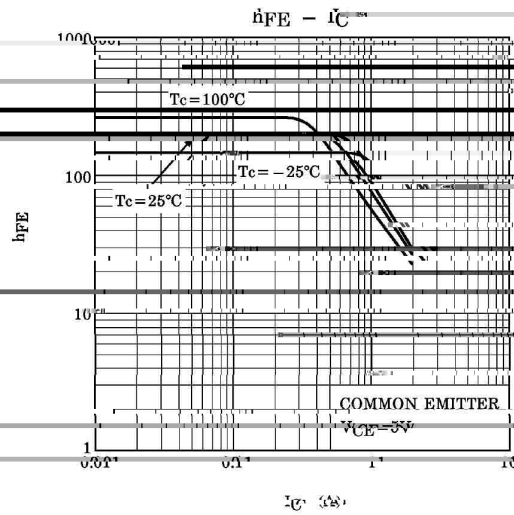
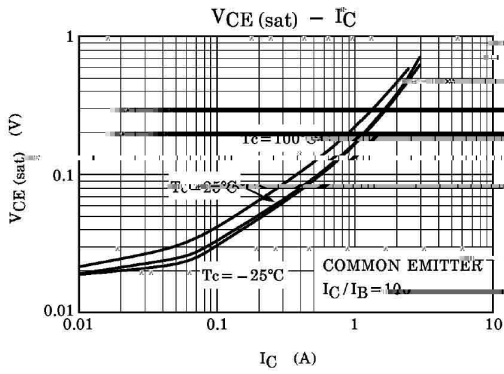
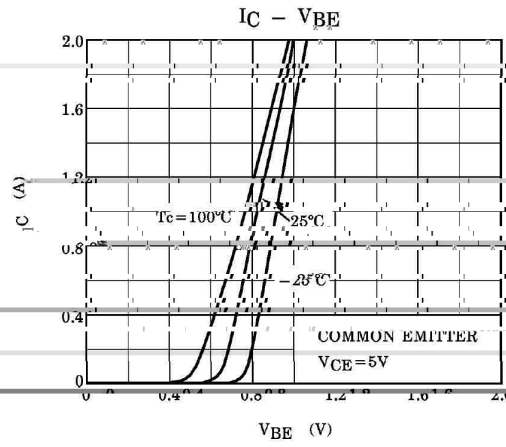
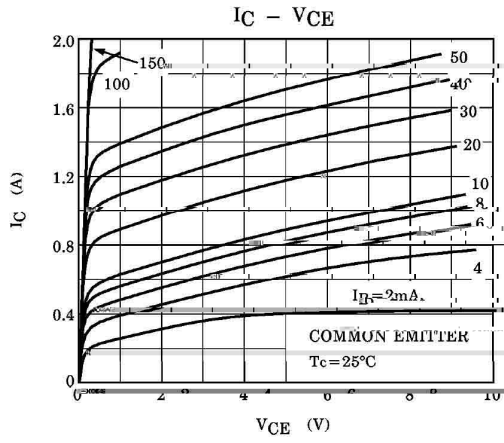


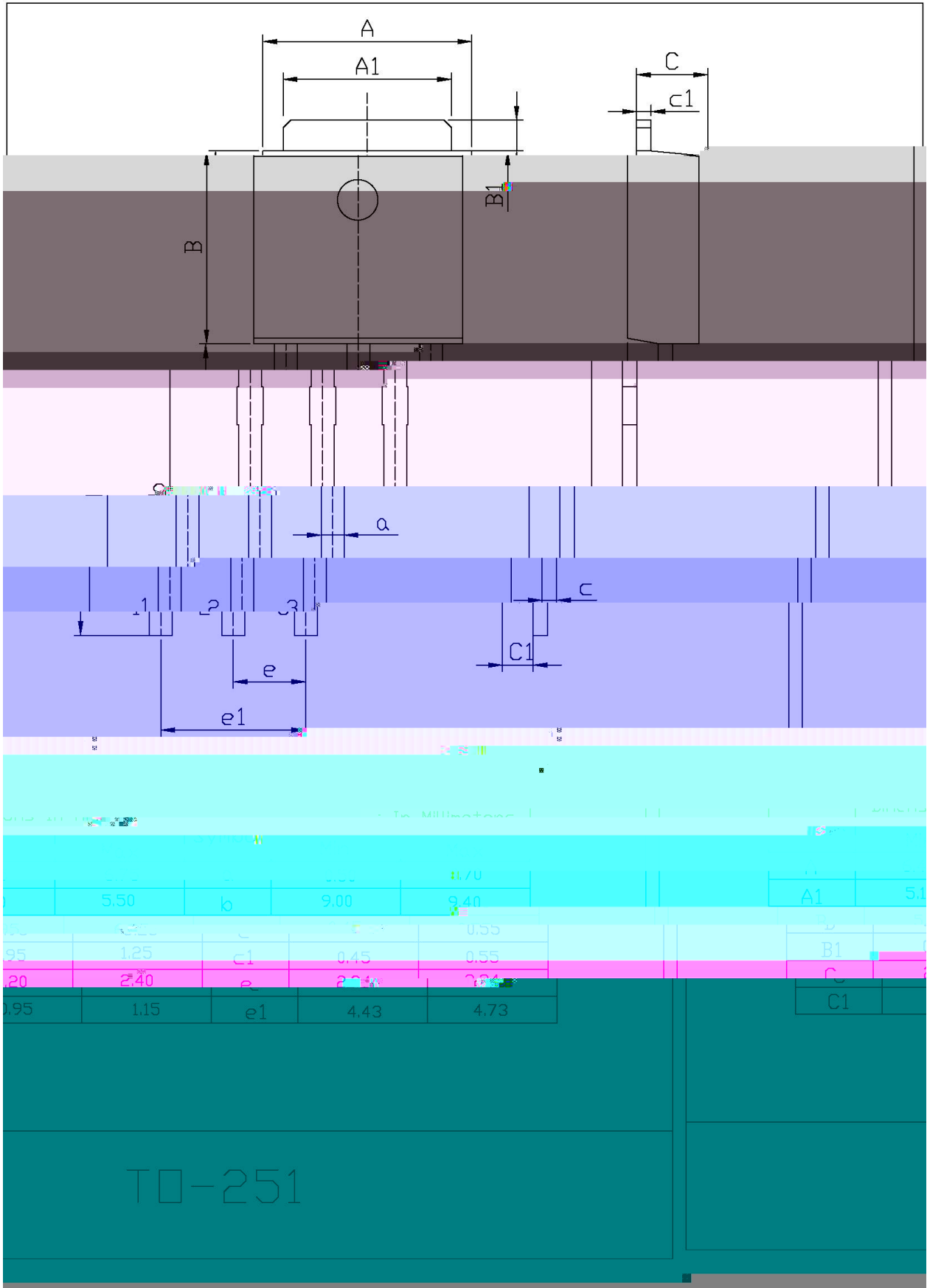


Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	180	V
Collector to Emitter Voltage	$V_{CEO}$	180	V
Emitter to Base Voltage	$V_{EBO}$	5.0	V
Collector Current - Continuous	$I_C$	2.0	A
Base Current – Continuous	$I_B$	1.0	A
Collector Power Dissipation	$P_C$	1.5	W
Collector Power Dissipation Junction Temperature	$P_C(T_c=25^\circ C)$ $T_j$	20	W

/ Electrical Characteristic Curve



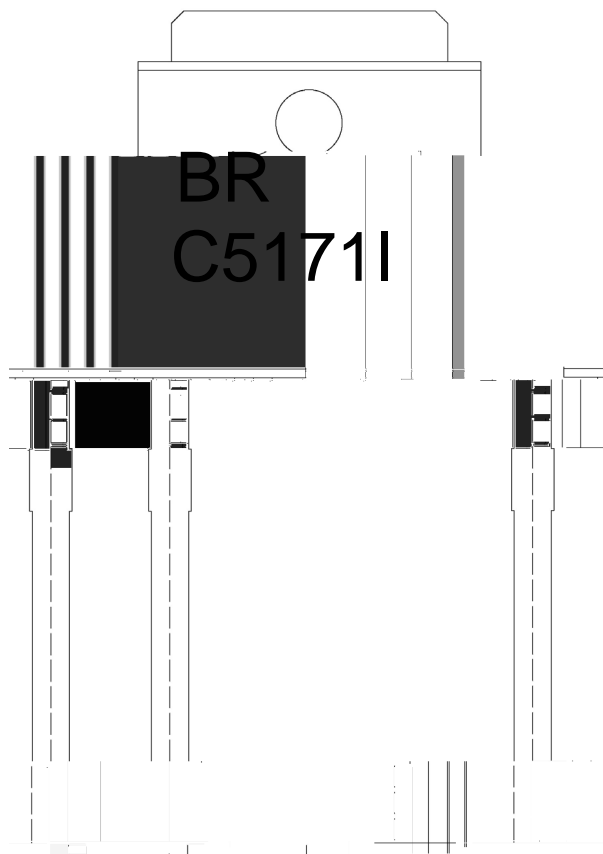
/ Package Dimensions



5.50	b	9.00	9.40	A1	5.4
1.25	c	0.55	0.55	B1	
2.40	c1	0.45	0.55	C	
1.15	e	4.43	4.73	C1	

TO-251

/ Marking Instructions



BR

C5171I

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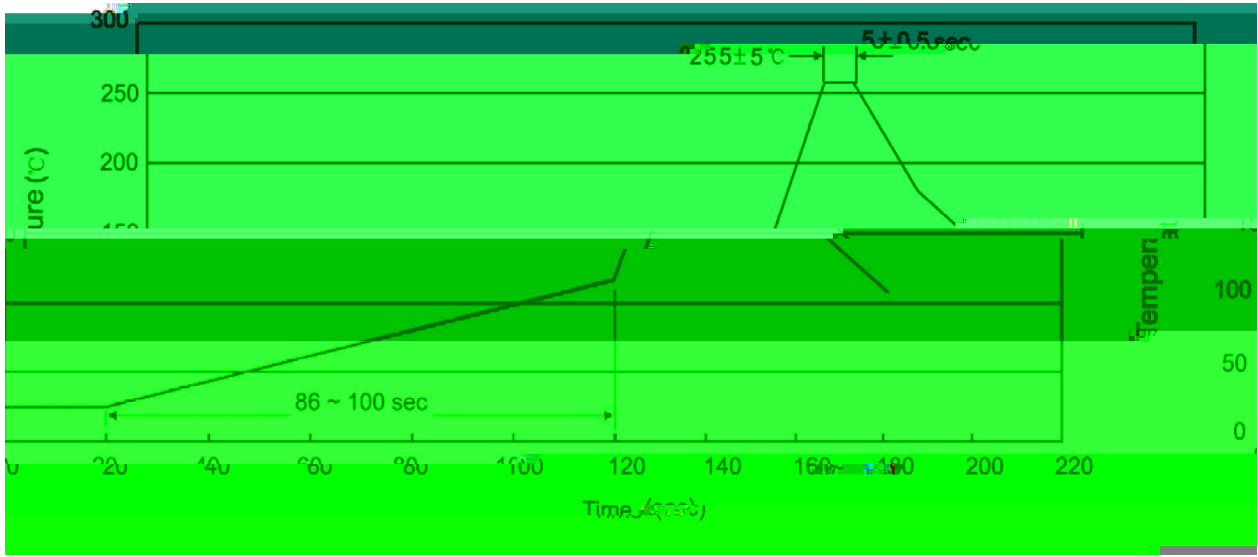
Note:

BR: Company Code

C5171I: Product Type.

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

( ) / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- |   |       |     |           |          |   |
|---|-------|-----|-----------|----------|---|
| 1 | 25    | 150 | 60        | 90sec;   | 1.Preheating:25~150 , Time:60~90sec.    |
| 2 | 255±5 |     | 5±0.5sec; |          | 2.Peak Temp.:255±5 , Duration:5±0.5sec. |
| 3 |       |     | 2         | 10 /sec. | 3. Cooling Speed: 2~10 /sec.            |

/ Resistance to Soldering Heat Test Conditions

270±5                      10±1 sec.                      Temp.:270±5                      Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension (unit mm <sup>3</sup> )		

/ TUBE