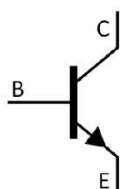


KF \$))' E GE Silicon NPN transistor in a TO-220 Plastic Package.

K@\*)  
Complement to TIP32.

Medium power linear switching applications.



PIN1 Base      PIN 2 Collector      PIN 3 Emitter

**/ h<sub>FE</sub> Classifications & Marking**

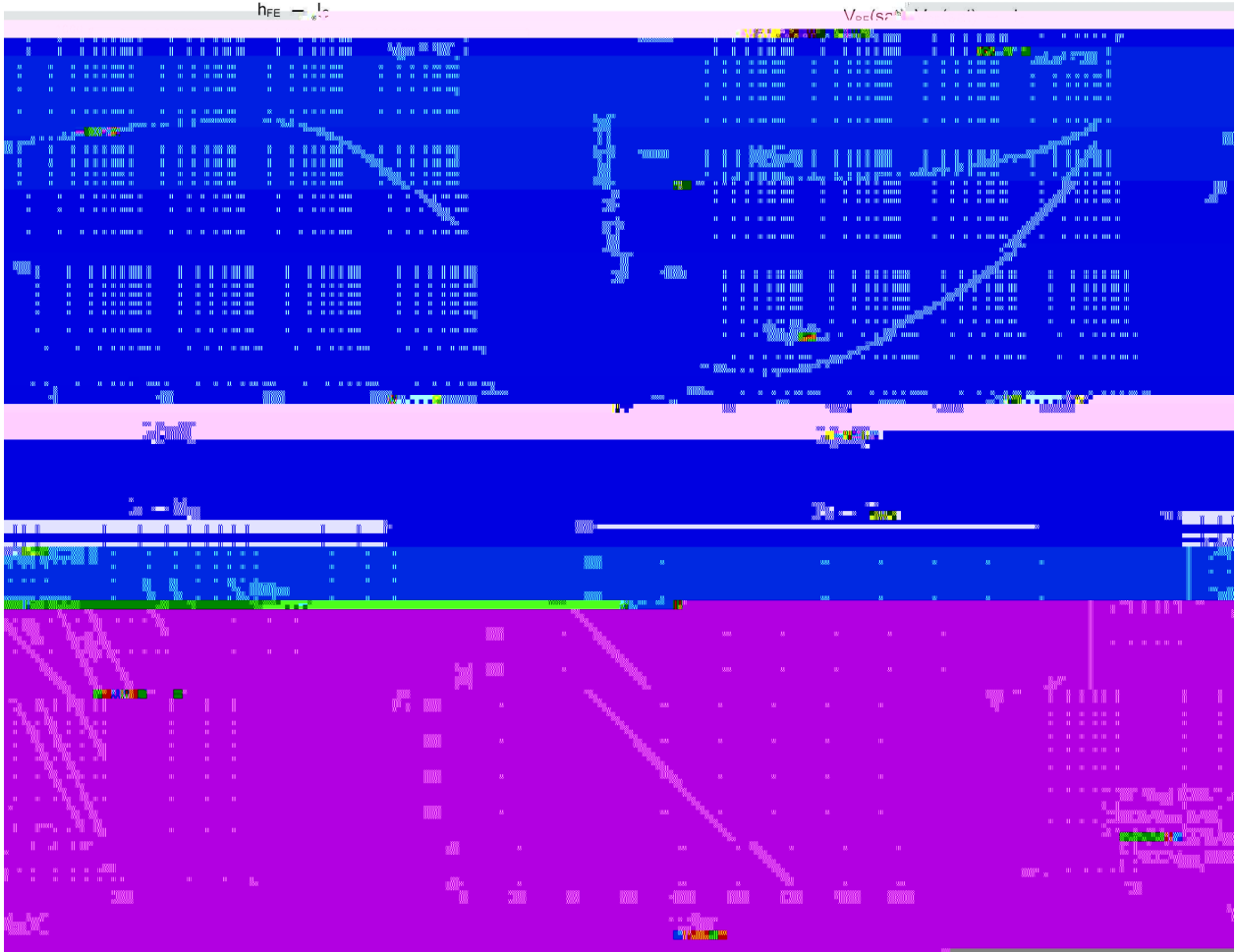
# TIP31

Rev. H Oct.-2018

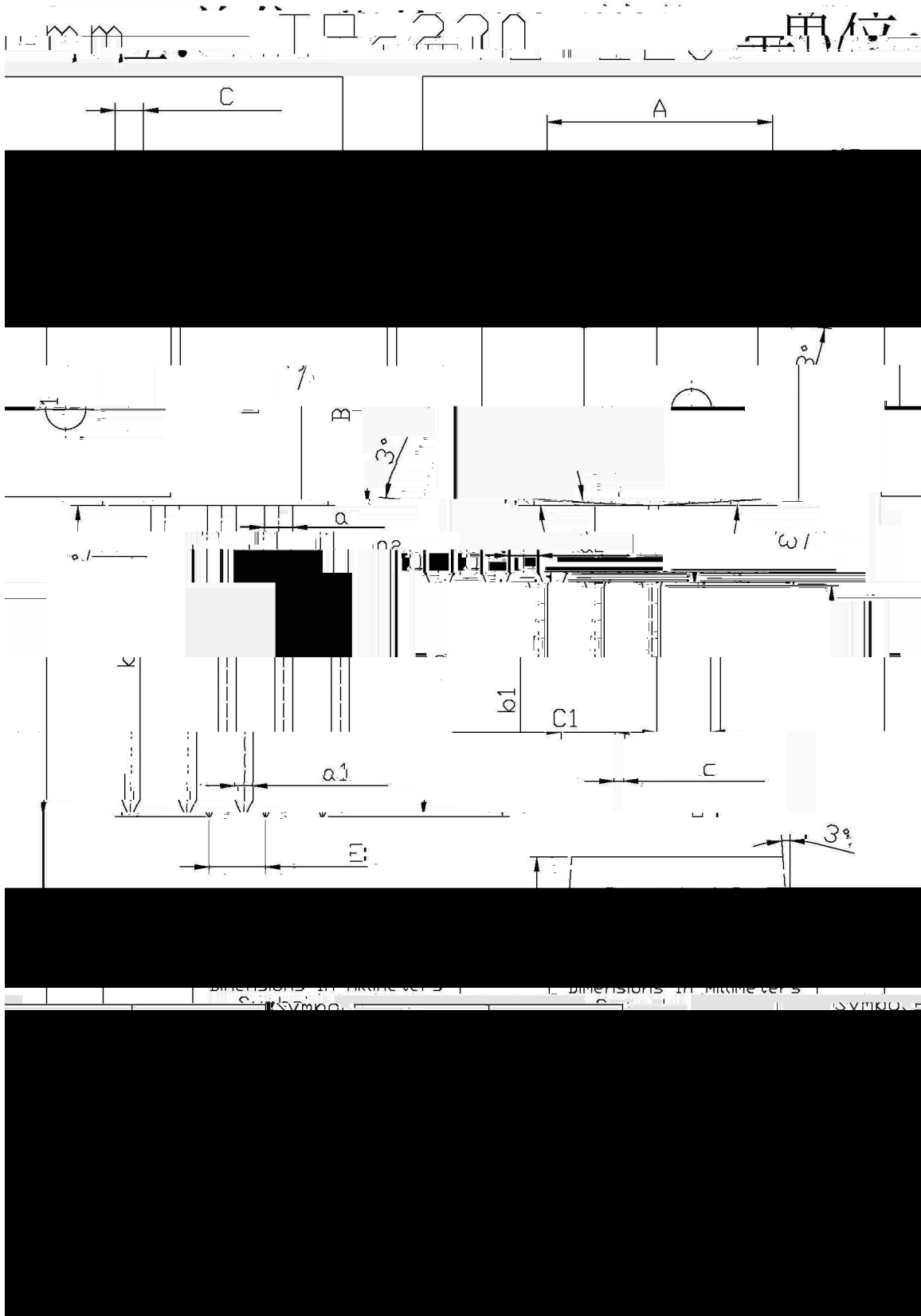
Parameter	Symbol	Rating				Unit
		TIP31	TIP31A	TIP31B	TIP31C	
Collector to Base Voltage	$V_{CBO}$	40	60	80	100	V
Collector to Emitter Voltage	$V_{CEO}$	40	60	80	100	V
Emitter to Base Voltage	$V_{EBO}$	5.0				V
Collector Current - Continuous	$I_C$	3.0				A
Peak Collector Current	$I_{CP}$	5.0				A
Base Current - Continuous	$I_B$	1.0				A
Collector Power Dissipation	$P_C$	2.0				W
Collector Power Dissipation	$P_C (T_C=25^\circ C)$	40				W
Junction Temperature	$T_j$	150				
Storage Temperature Range	$T_{sag}$	-55 150				

Ø.

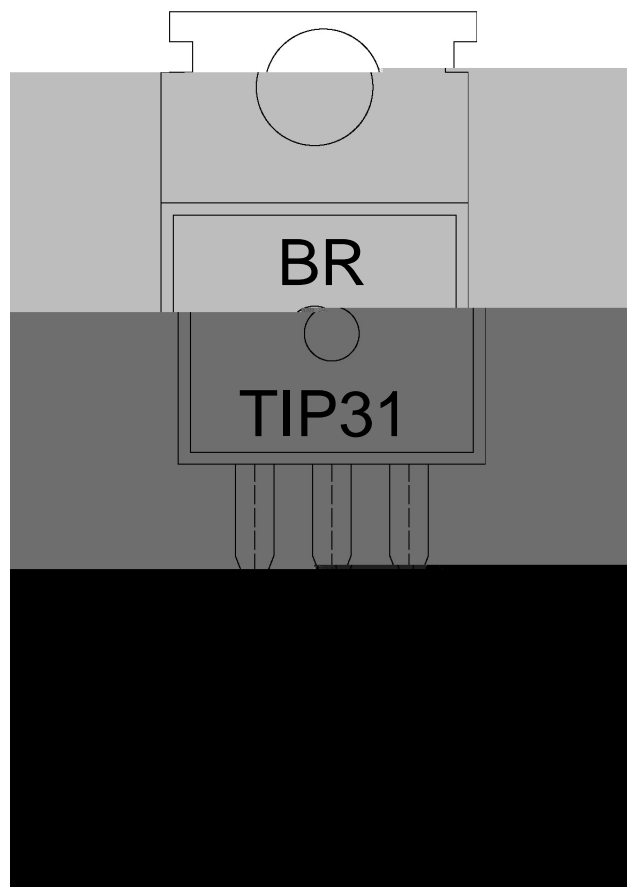
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

TIP31

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Note:

BR: Company Code

TIP31: Product Type.

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

