

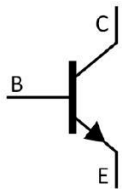
TIP31

Rev. H Oct.-2018

WR0553 ММ Ё QSQ Æ M ç s ll 1 Silicon NPN transistor in a TO-220 Plastic Package.

лъ WLS65 Ы ´
Complement to TIP32.

Ѓˆˆ А I ' ı Ó Ą H ˆ z
Medium power linear switching applications.



PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

/ h_{FE} Classifications & Marking

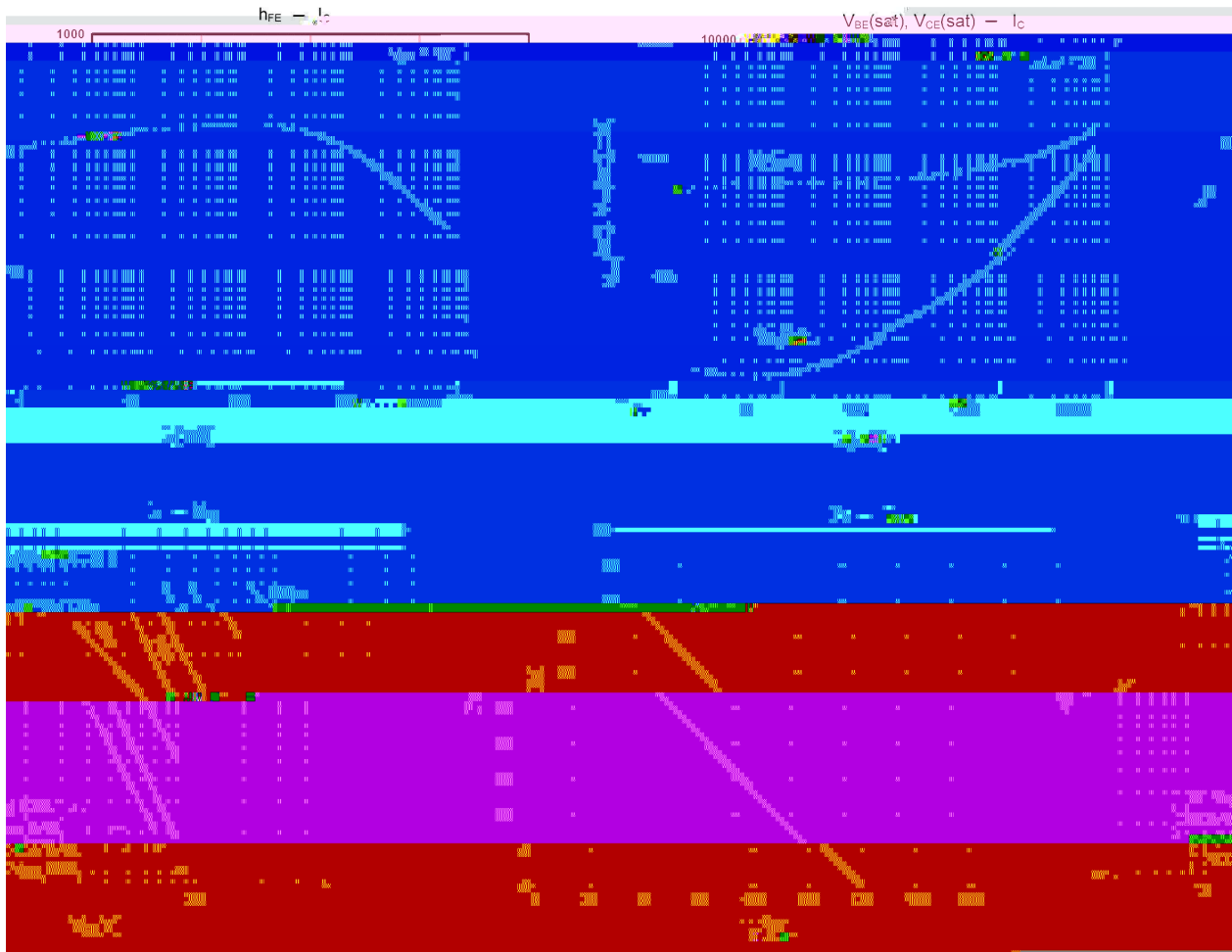
TIP31

Rev. H Oct.-2018

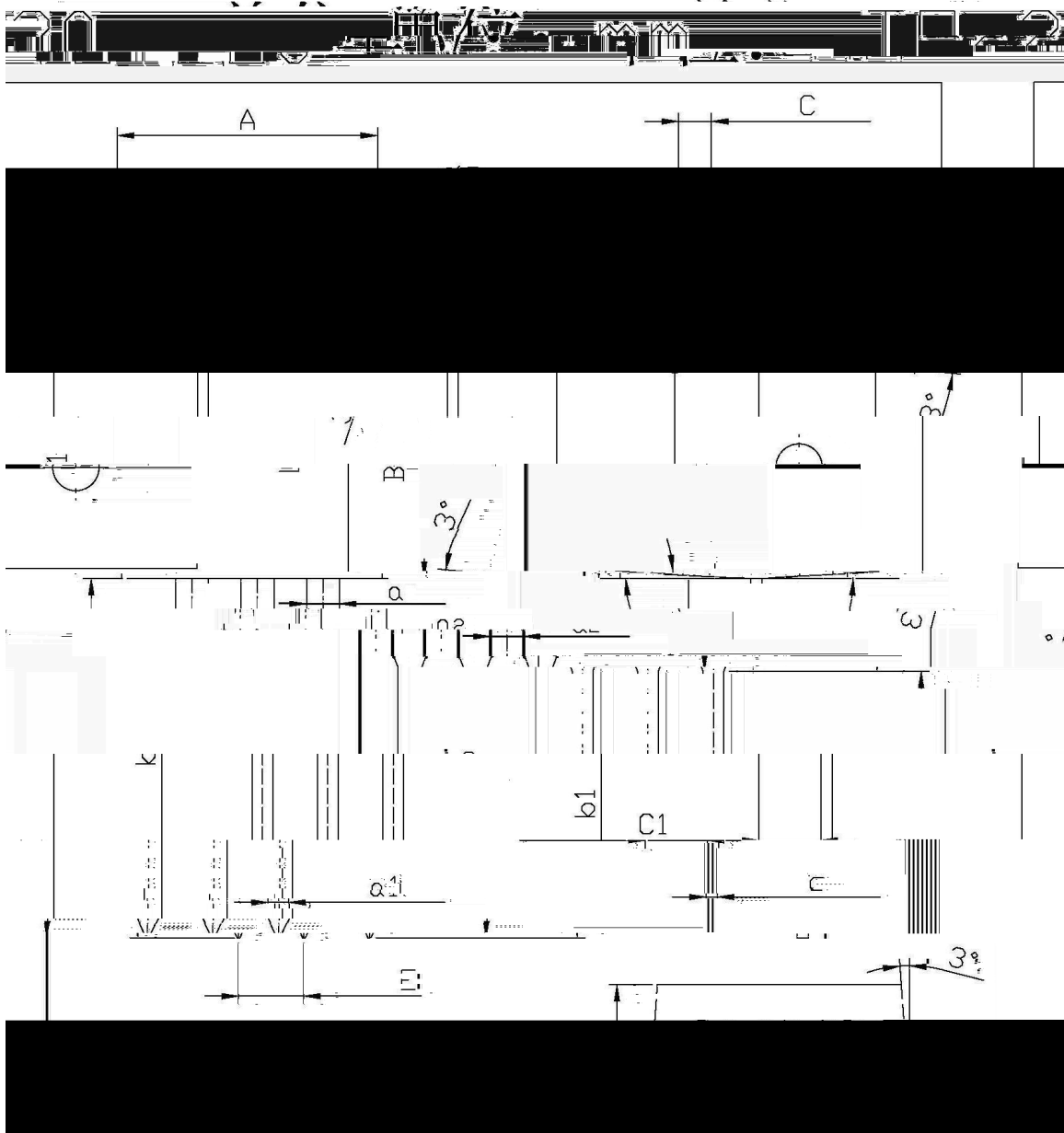
Parameter	Symbol	Rating				Unit
		TIP31	TIP31A	TIP31B	TIP31C	
Collector to Base Voltage	V_{CBO}	40	60	80	100	V
Collector to Emitter Voltage	V_{CEO}	40	60	80	100	V
Emitter to Base Voltage	V_{EBO}	5.0				V
Collector Current - Continuous	I_C	3.0				A
Peak Collector Current	I_{CP}	5.0				A
Base Current - 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				

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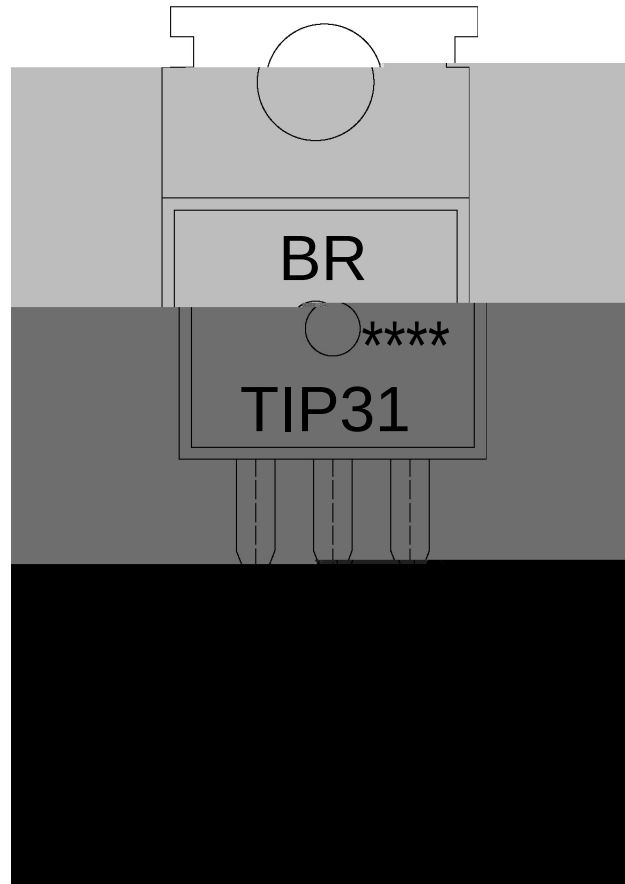
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



б " X

BR X

TIP31 X

---- X

Note:

BR:

TIP31:

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Company Code

Product Type.

Lot No. Code, code change with Lot No.

