/ Descriptions

WR0553 Ṃ Ṃ Ŀ QSQ Æ Ṁ ɥ s ǁ ˥ Silicon NPN transistor in a TO-220 Plastic Package.

/ Features

љ WLS65 Ӥ ´

Complement to TIP32.

/ Applications

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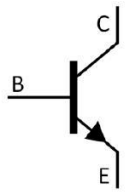
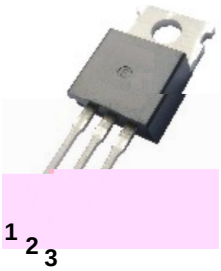
Medium power linear switching applications.

/ Equivalent Circuit



/ Pinning



PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

/ h_{FE} Classifications & Marking

See Marking Instructions.

v ˝Ω Parameter	˧ N Symbol	˝Ω Ö Rating				D Ĥ 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 (Tc=25)	40				W
Junction Temperature	T_j	150				
Storage Temperature Range	T_{sag}	-55 150				

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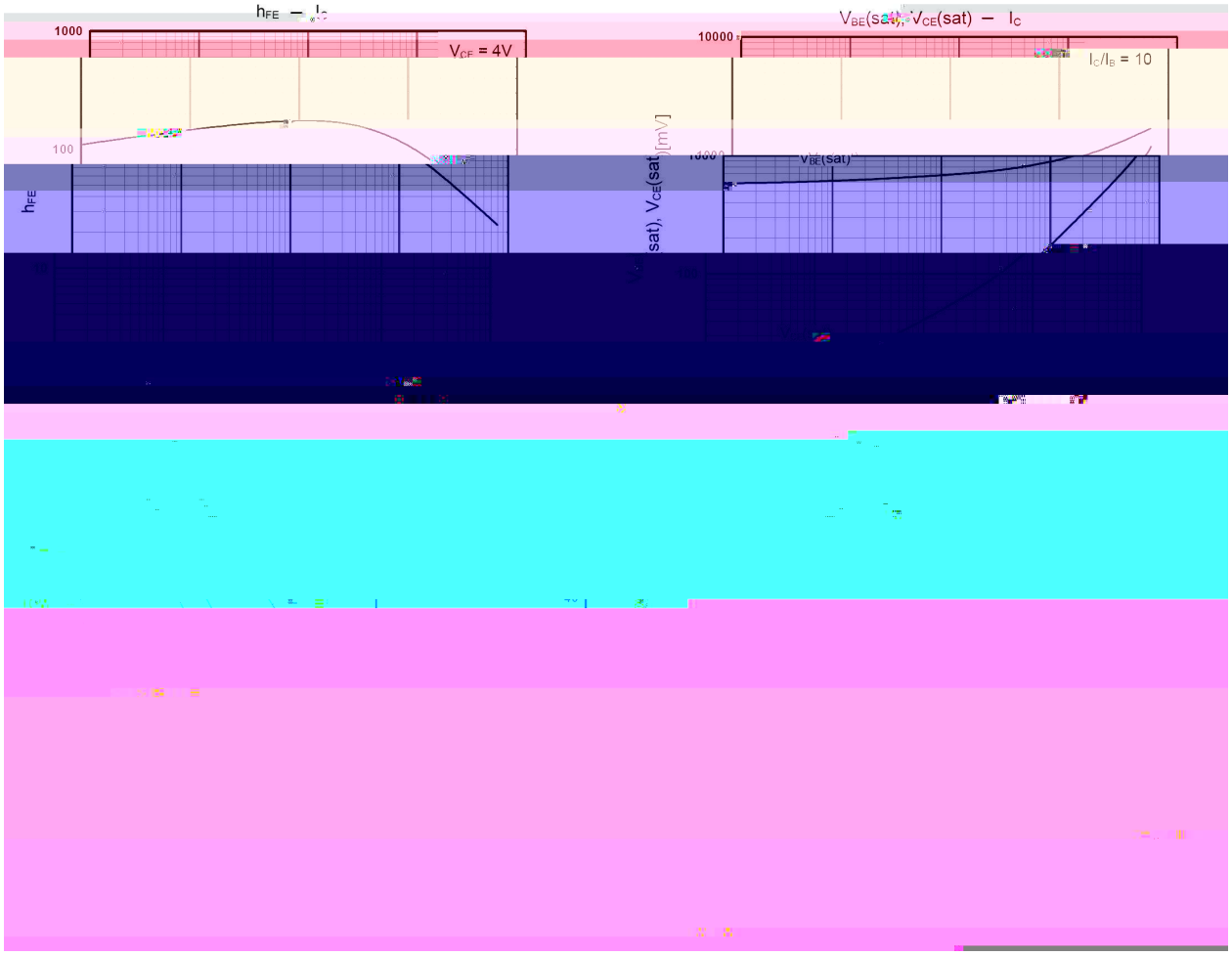
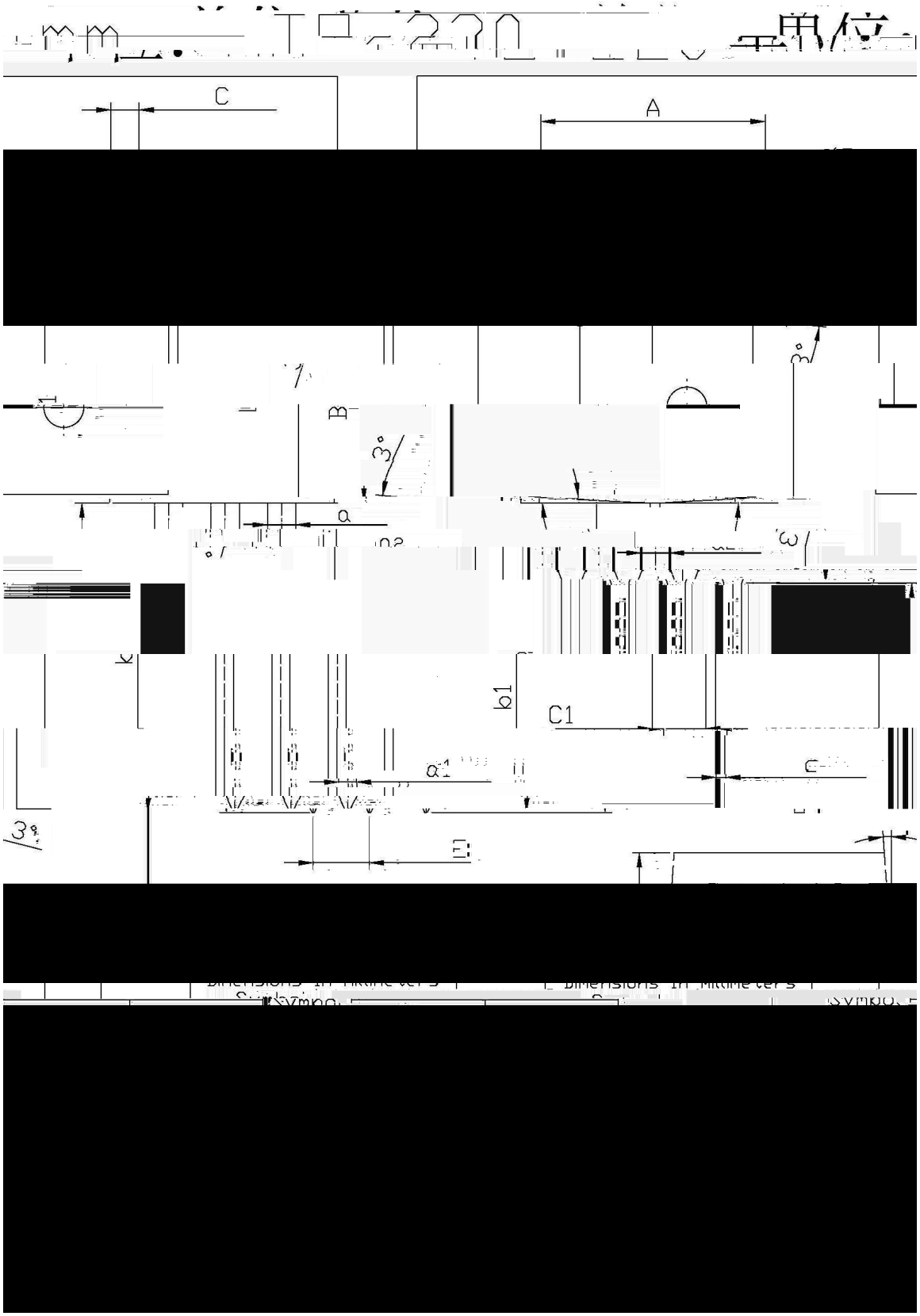
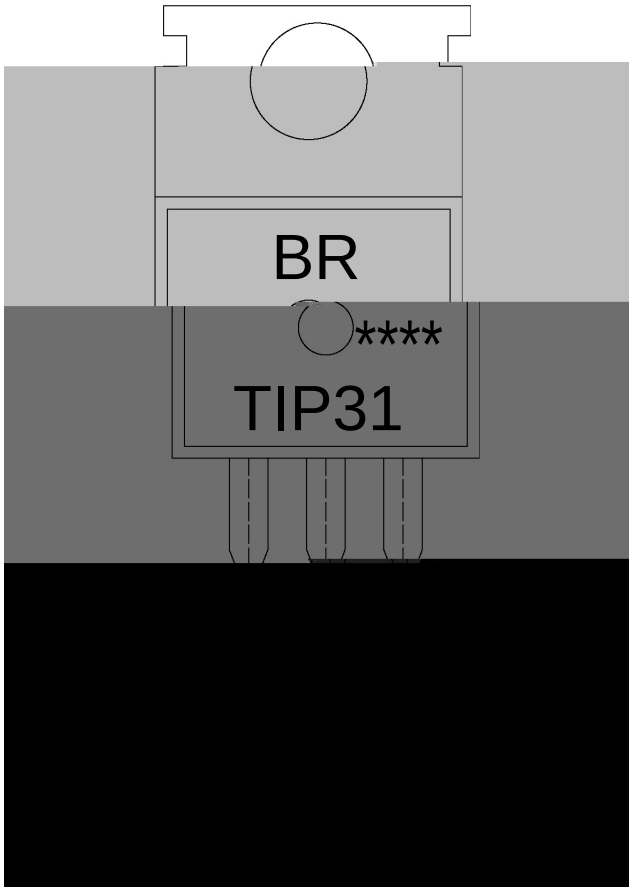
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



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Note:

BR:	Company Code
TIP31:	Product Type.
****:	Lot No. Code, code change with Lot No.