WR0553　ṂṂⱡ QSQ ᴂṀʮ s ǁ ᠢ　Silicon NPN transistor in a TO-220 Plastic Package.

љ WLS65 Й̦ ´
Complement to TIP32.

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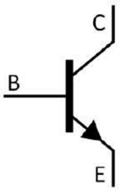
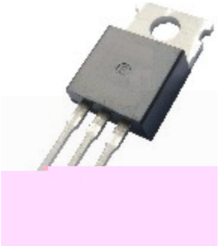
Medium power linear switching applications.

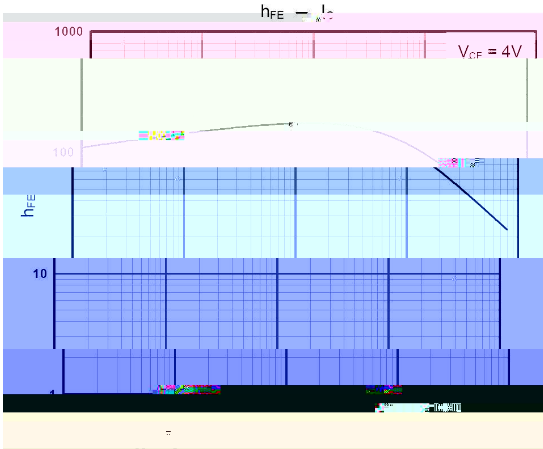


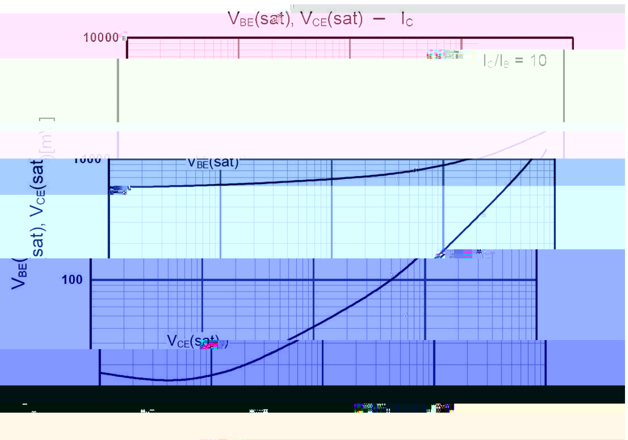


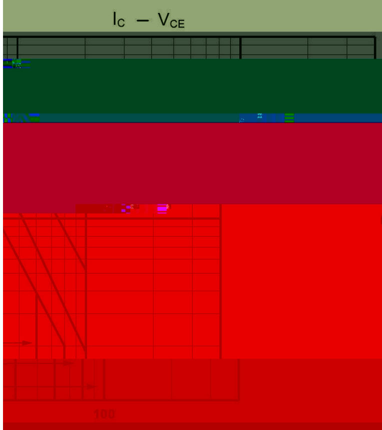
PIN1 χ Base　　PIN 2 χ Collector　　PIN 3 χ Emitter

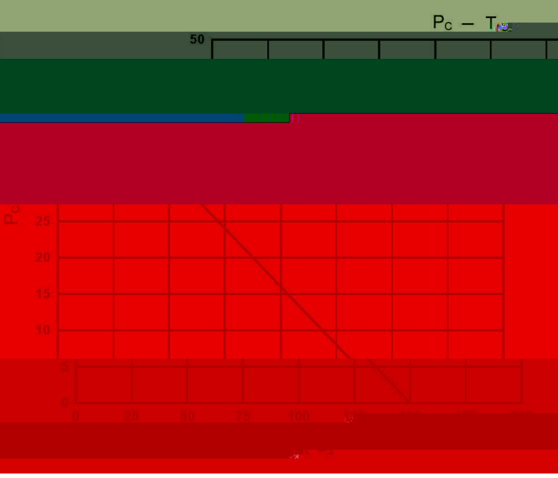
v ˝Ω̣ Parameter	ɥ ᴺ Symbol	˝Ω̣Ӫ Rating				D Ᵹ Unit
		TIP31	TIP31A	TIP31B	TIP31C	
Collector to Base Voltage	V_{CBO}	40	60	80	100	V
Collector to Emitter Voltage	V_{CEO}	40	60	80	100	V
Emitter to Base Voltage	V_{EBO}	5.0				V
Collector Current - Continuous	I_C	3.0				A
Peak Collector Current	I_{CP}	5.0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

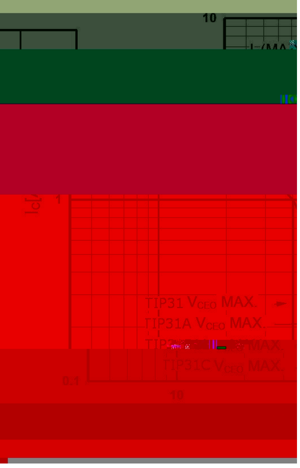
v ˝Ω̣ȡȻ..

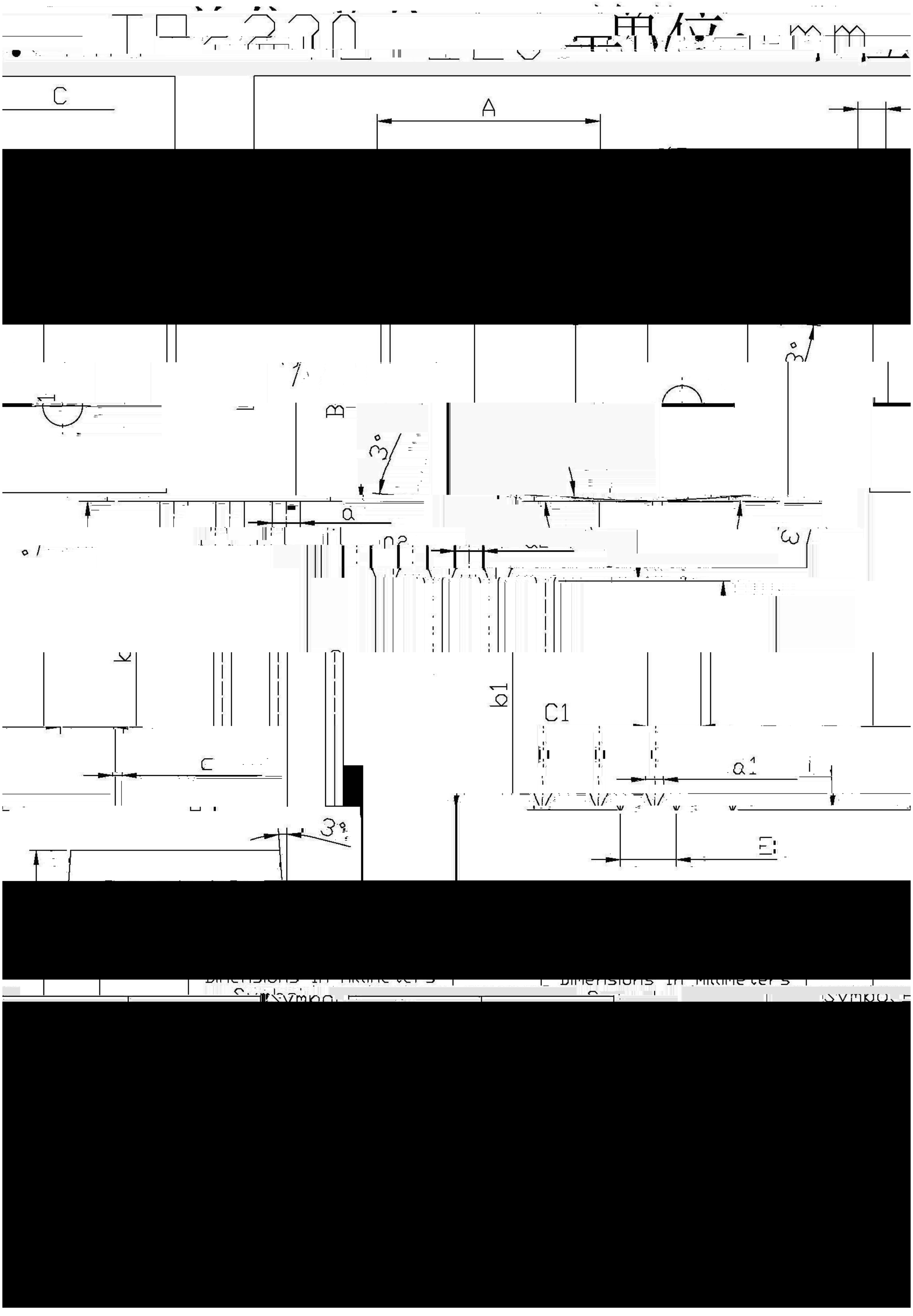

hFE — IC
1000
VCE = 4V
100
hFE
10
1


VBE(sat), VCE(sat) — IC
10000
IC/IB = 10
1000
VBE(sat)
VBE(sat), VCE(sat) [mV]
100
VCE(sat)

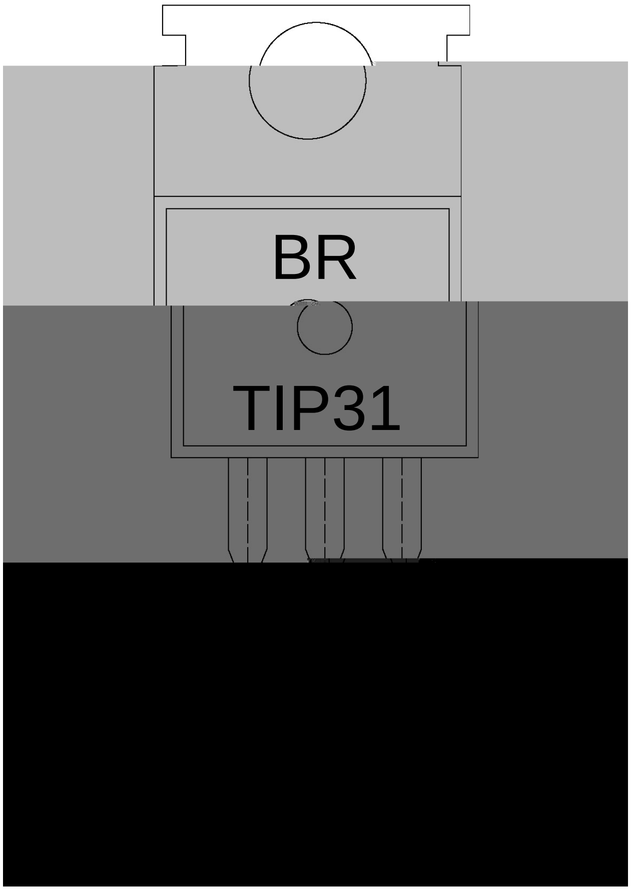

IC — VCE
100


PC — Ta
50
PC
25
20
15
10
5
0
0
25
50
75
100


10
IC MAX
IC
1
TIP31 VCEO MAX
TIP31A VCEO MAX
TIP31C VCEO MAX
0.1
10


TO-220
单位
mm
C
A
B
3°
3°
3°
a
a2
b
b1
C1
c
a1
E
3°
Dimensions in Millimeters
Symbol
Dimensions in Millimeters
Symbol

[redacted]



ب ˝ χ	
BR χ	ㅉ ʅ ᴎ Ꮒ
TIP31 χ	ㅉ ғ β ʒ N
---- χ	ㅉ ⸱ł ғ ή N Ꮒ ι ϐ ⸱ł ғ ή N ψ ק
Note:	
BR:	Company Code
TIP31:	Product Type.
****:	Lot No. Code, code change with Lot No.