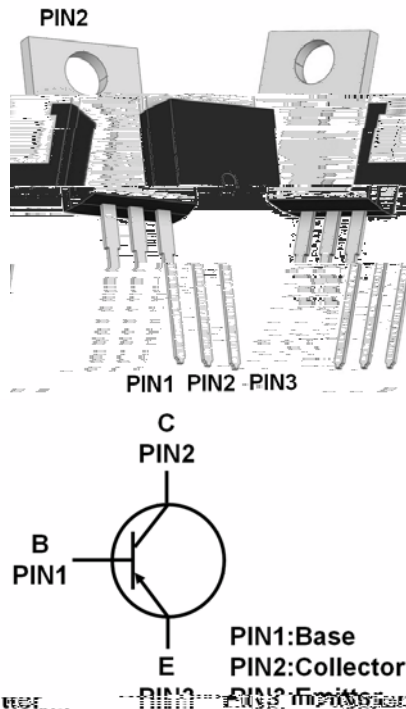




- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free
- Complement to TIP41C
- High switching speed
- Package: TO-220AB
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Unit Weight: 1.9g

(Ta=25 unless otherwise noted)

Device marking code			TIP42C
Collector-base voltage	V_{CBO}	V	-100
Collector-emitter voltage	V_{CEO}	V	-100
Emitter-base voltage	V_{EBO}	V	-5
Collector current	I_C	A	-6
Power dissipation	P_D	W	2
Thermal resistance, junction-to-ambient (Note1)	R_{thJA}	°C/W	62.5
Junction temperature	T_j	°C	-55 to +150
Storage temperature	T_{STG}	°C	-55 to +150

Note1 Device mounted on PCB with minimum recommended pad layout and additional heat sink (25mm x 23mm x 15mm) attached.



(Ta=25 unless otherwise noted)

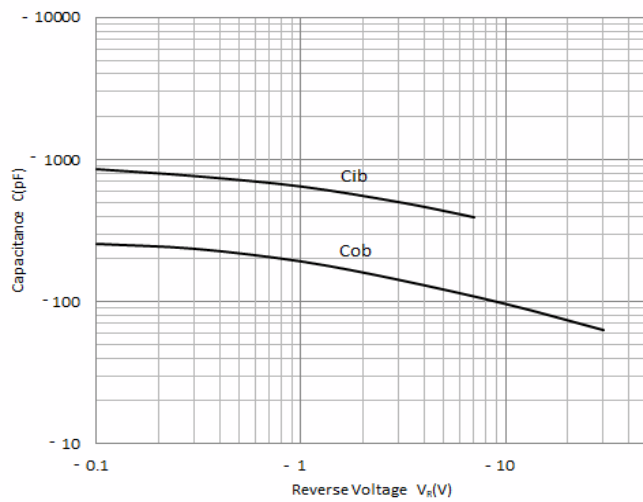
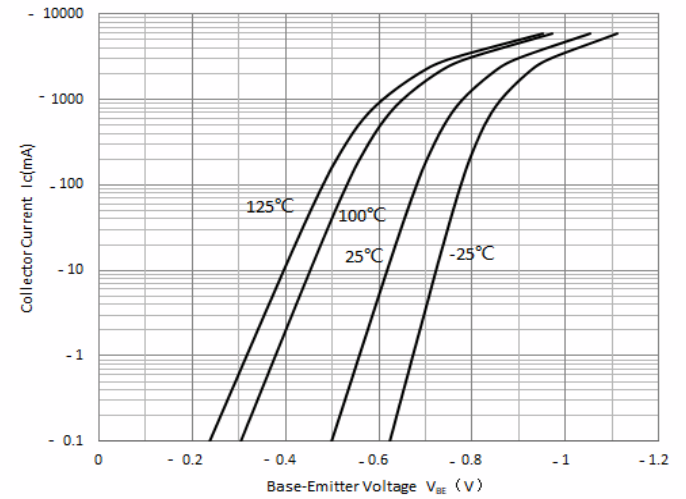
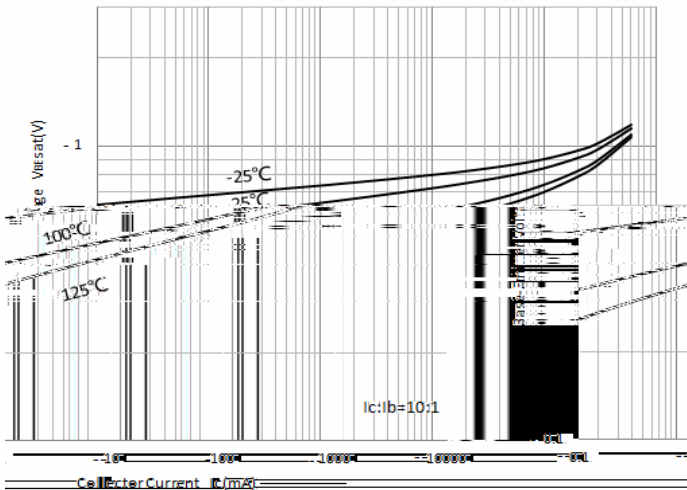
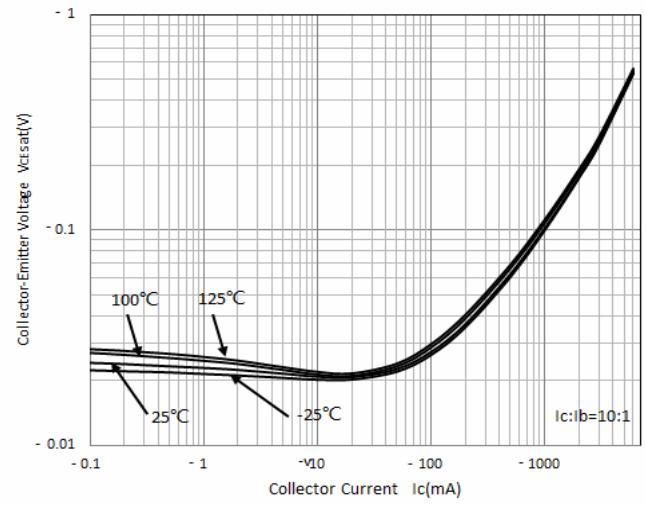
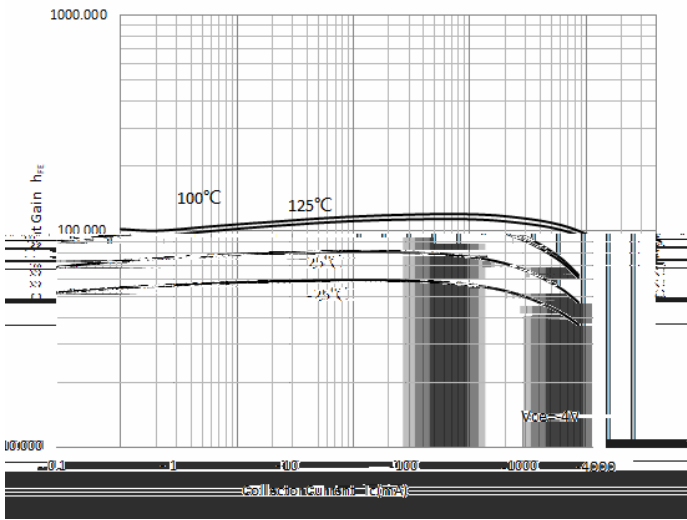
Collector-base breakdown voltage

$V_{(BR)CBO}$

V

$I_C = -100\mu A, I_E = 0$

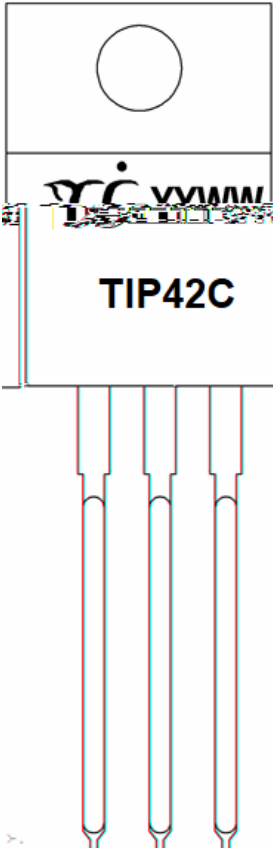
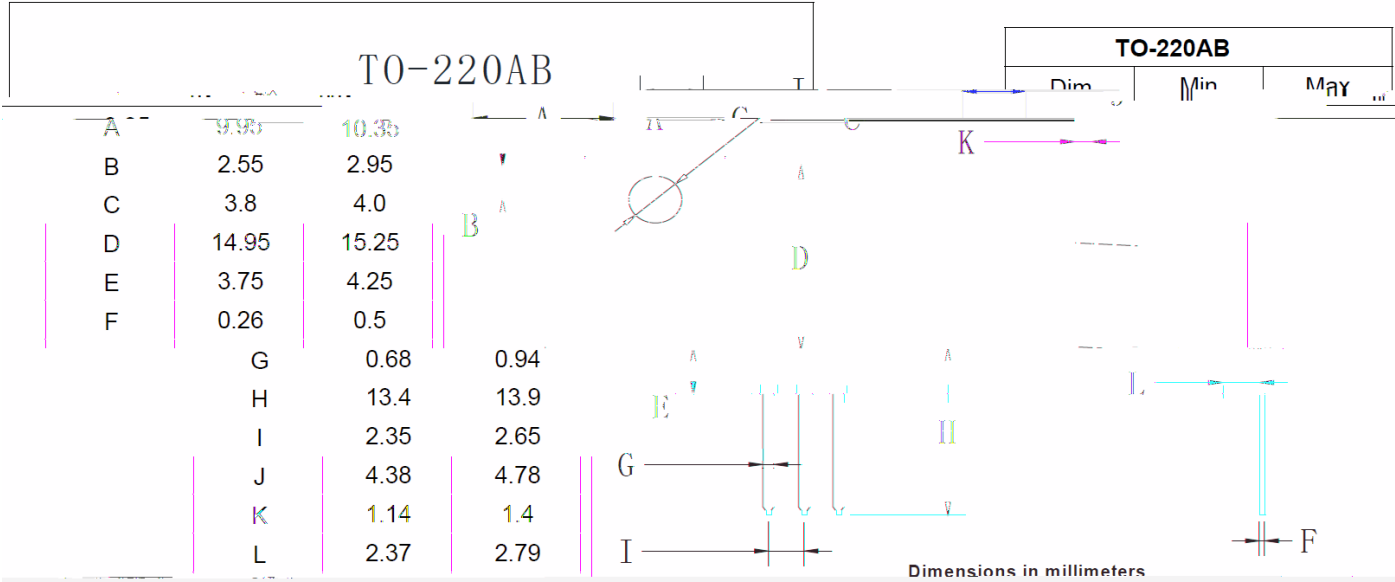
-100





(Example)

TIP42C	B1	50/Tube	1000	2000	Tube



YangJie LOGO
YYWW YY, years; WW , week.
For example,24 represents 2024; 01 represents the first week of this year.
TIP42C: Product model.



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