

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)

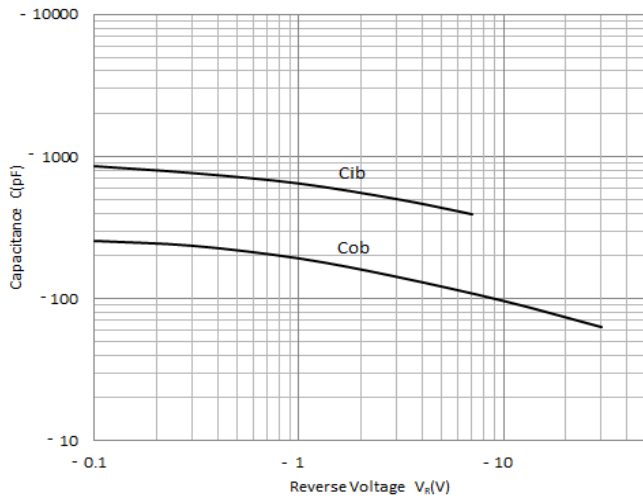
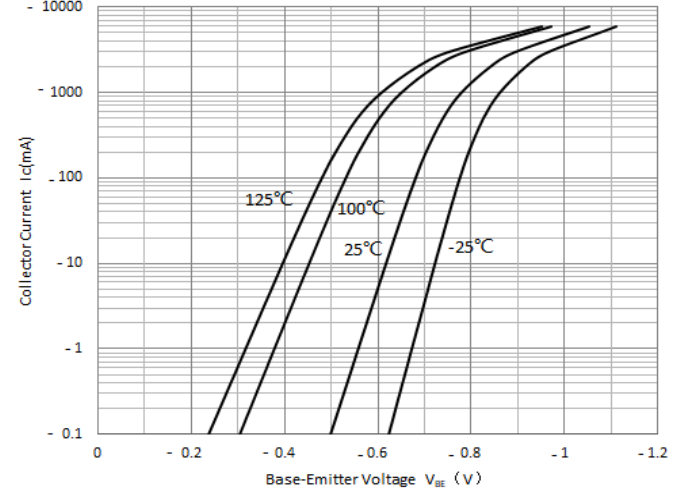
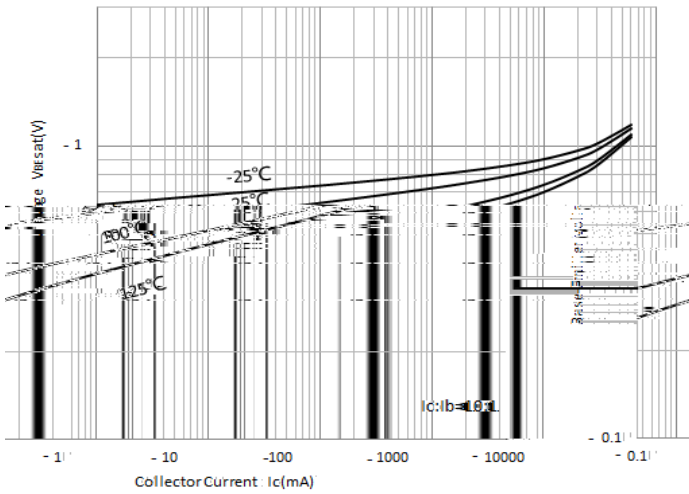
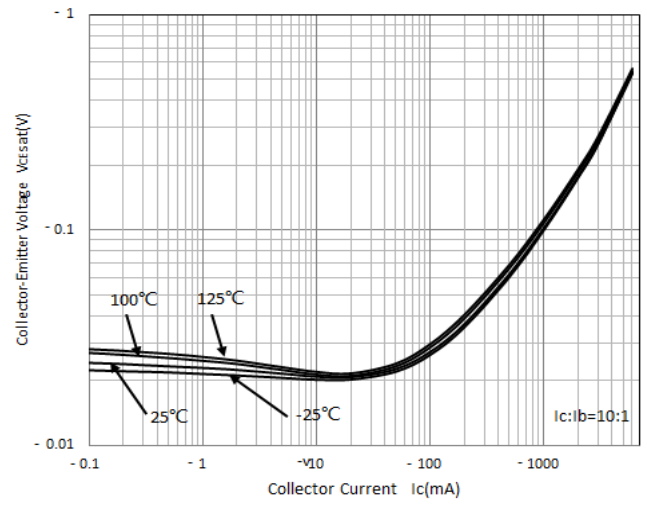
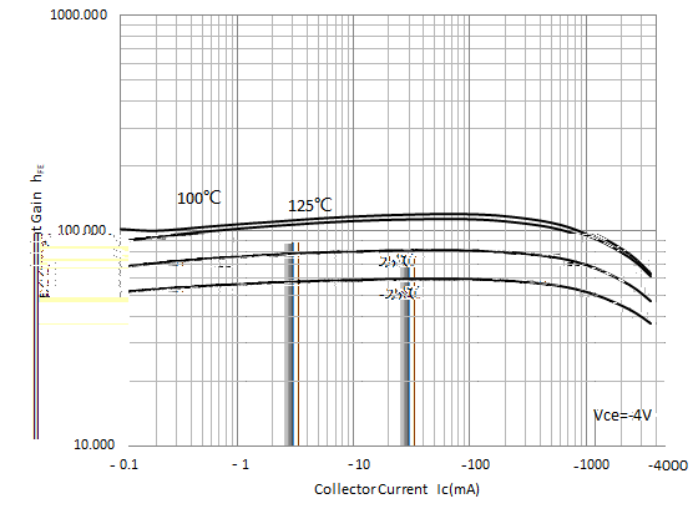
Device marking code			TIP42C
Collector-base voltage	$V_{CBO}$	V	-100
Collector-emitter voltage	$V_{CEO}$	V	-100
Emitter-base voltage	$V_{EBO}$	V	-5
Collector current	$I_C$	A	-6
Power dissipation	$P_D$	W	2
Thermal resistance, junction-to-ambient (Note1)	$R_{thJA}$	°C/W	62.5
Junction temperature	$T_j$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

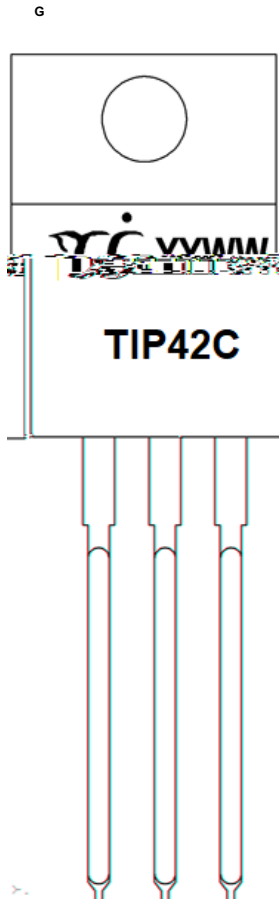
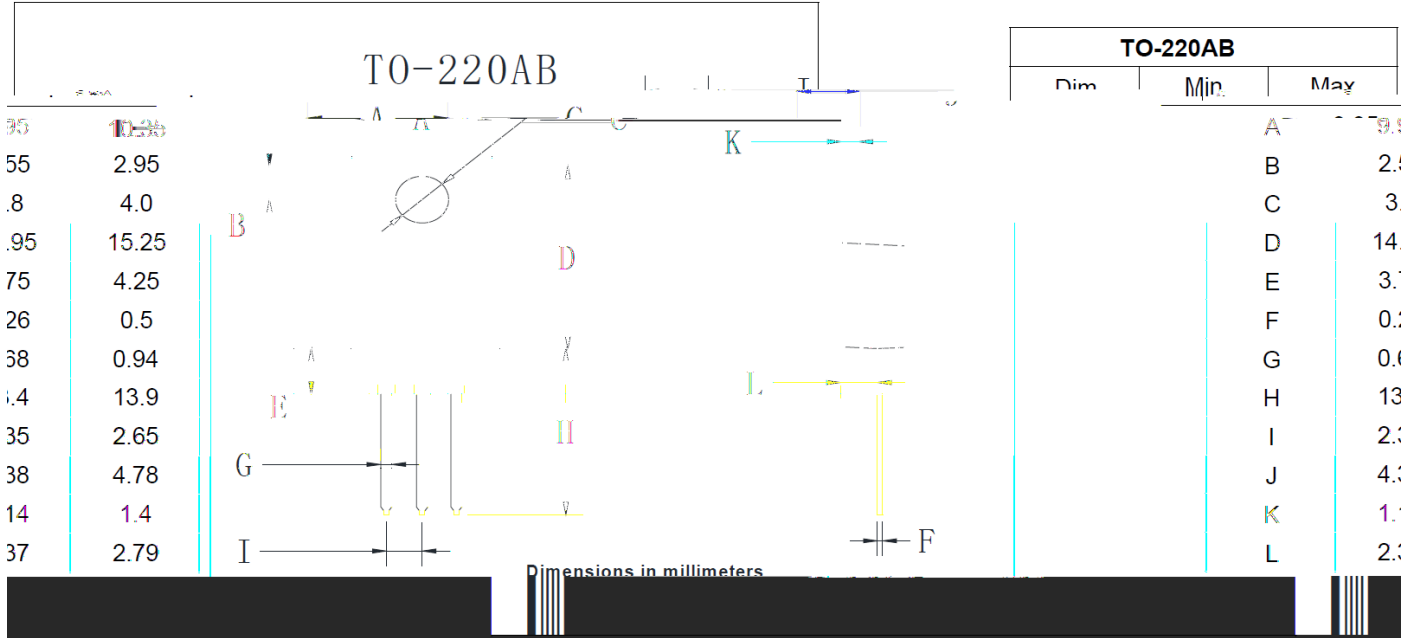
				°		°
Collector-base breakdown voltage	$V_{(BR)CBO}$	V	$I_C = -100\mu A, I_E = 0$	-100		





(Example)

H	E H	G H G G E	H H H	H H	F G
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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