

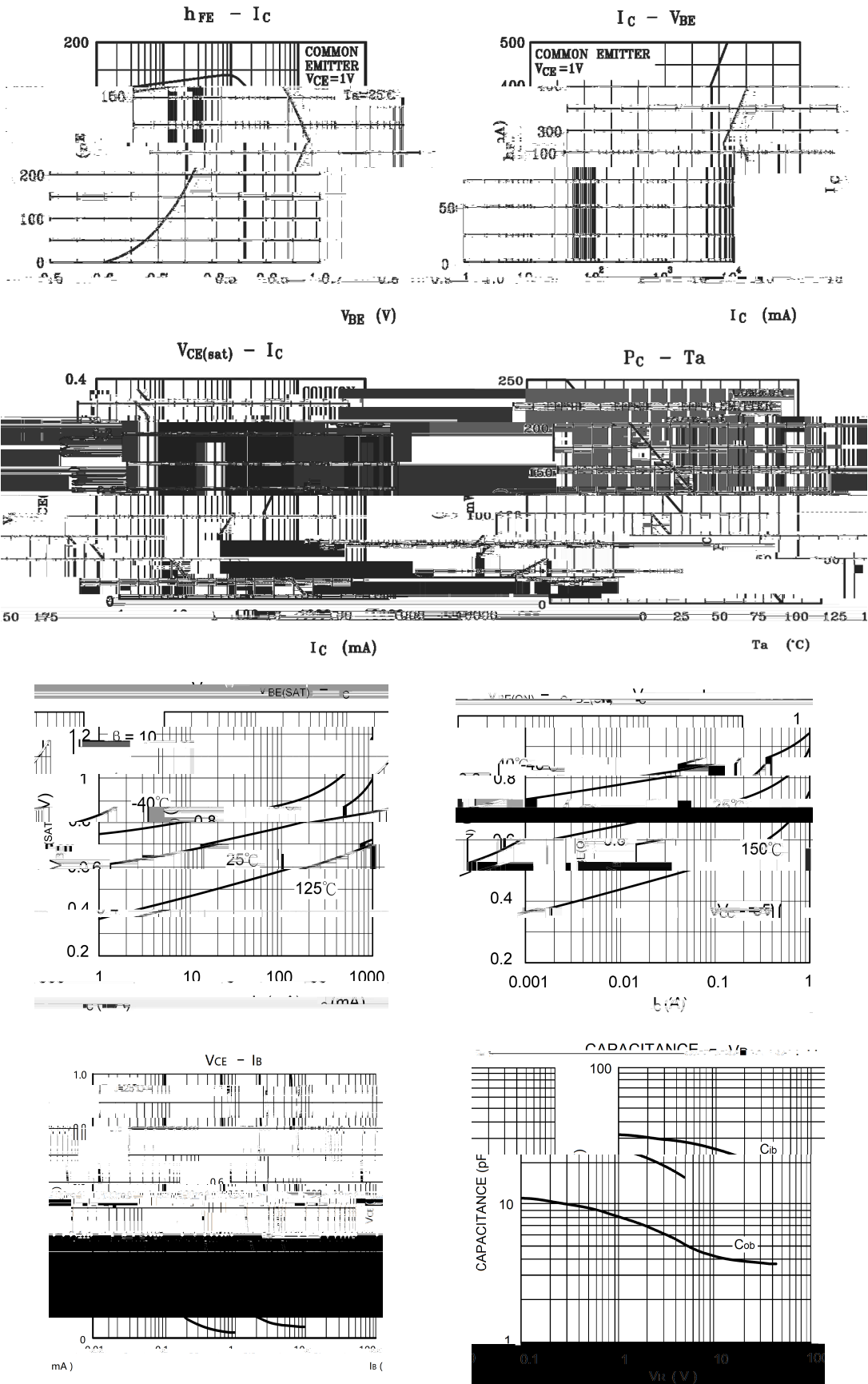


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G	2020-5-15	1	0 1 2 3 4 5 6 7 8 9 : 5 6 ; <	= >	? @ A
A	2022-4-23	all	BC 4 BR/Q 9 0 1) DE 3 4 FG ; < H I J K L AEC-Q101 7 MNOPQRSTUVWXYZ [H \] Q9 E % W X R S Y , Z [H \] Q9 ^ _ ` a 245±5°C 9 b c d e ] 5±0.5sec f g ] h ^ _ ` a 255±5°C 9 b c d e] 5± 0.5sec i	= >	j k l
B	2022-7-11	3	3 4 VBE(SAT)-IC/VBE(ON)-IC/CAP ACITANCE-VR/VCE-IB m n o	= >	? @ A



Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	50	V
Collector to Emitter Voltage	V_{CEO}	45	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	500	mA
Collector Current - peak collector current	I_{CM}	1.0	A
Collector Power Dissipation	P_C	250	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55~150	°C

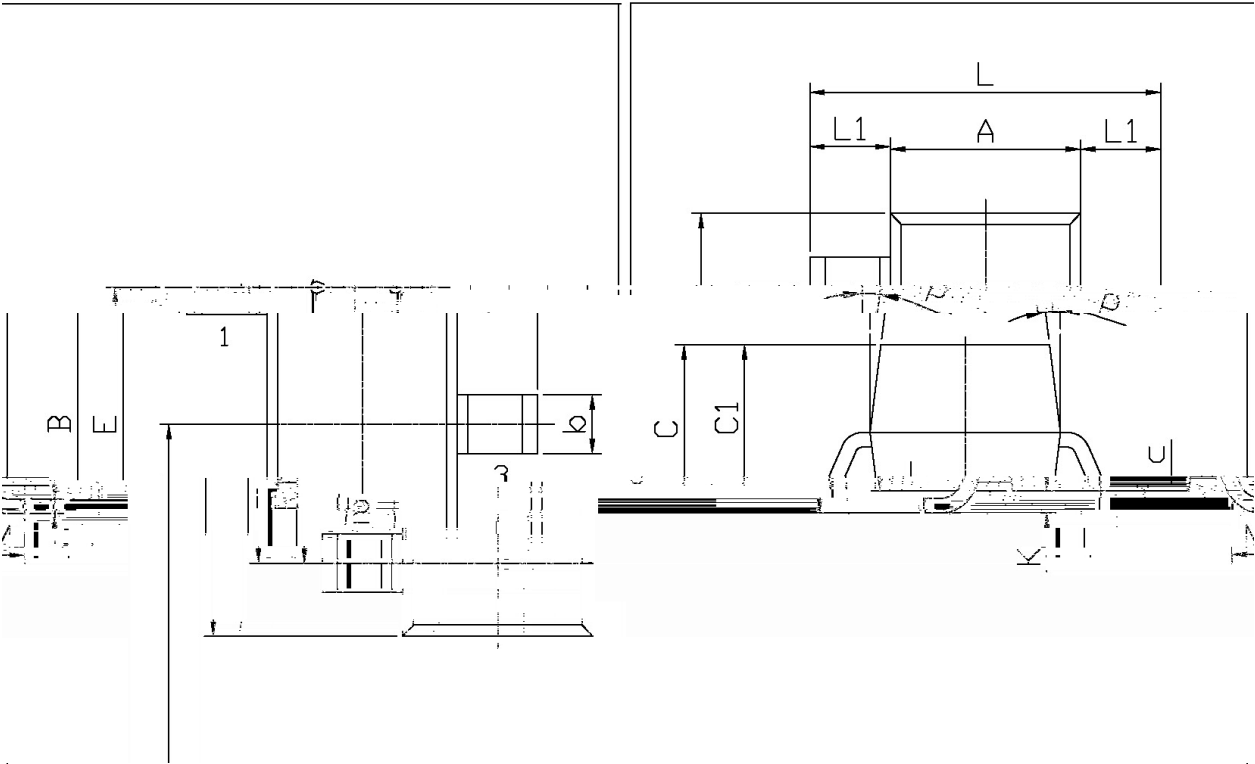
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C=10\mu A$ $I_E=0$	50			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=10mA$ $I_B=0$	45			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E=10\mu A$ $I_C=0$	5.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=20V$ $I_E=0$			0.1	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=5.0V$ $I_E=0$			0.1	μA
DC Current Gain	$h_{FE(1)}$	$V_{CE}=1.0V$ $I_C=100mA$	100		600	
	$h_{FE(2)}$	$V_{CE}=1.0V$ $I_C=500mA$	40			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=500mA$ $I_B=50mA$			0.7	V
Base to Emitter Voltage	V_{BE}	$V_{CE}=1.0V$ $I_C=500mA$			1.2	V
Transition Frequency	f_T	$V_{CE}=5.0V$ $I_C=10mA$	100			MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=10V$ $f=1.0MHz$ $I_E=0$		5.0		pF



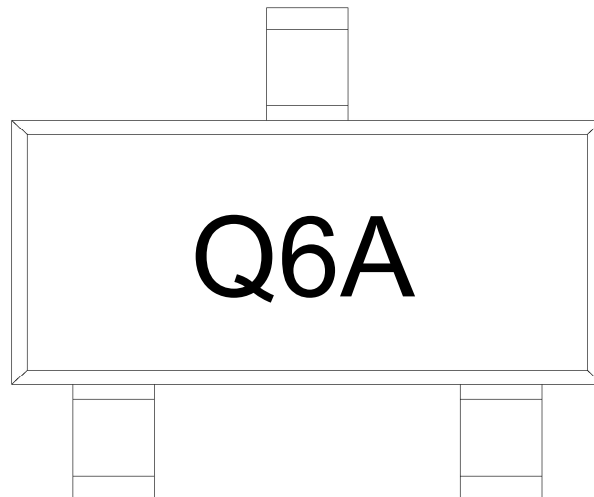


SNT-23

单位: mm



Dimensions in millimeters		Dimensions in inches	
Symbol	Max	Symbol	Max
B	2.70	K	0.10
E	1.70	M	0.20MIN
E1	0.85	P	7°
b	0.35		



Q

6A

Note:

Q: Automobile halogen-free product Code

6A: Product Type Code



Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- | | | | | | |
|---|-------|-----|----------|-----------|---|
| 1 | 150 | 200 | 60 | 120sec; | 1.Preheating:150~200℃, Time:60~120sec. |
| 2 | 255±5 | | | 5±0.5sec; | 2.Peak Temp.:255±5℃, Duration:5±0.5sec. |
| 3 | | 2 | 10℃/sec. | | 3. Cooling Speed: 2~10℃/sec. |

260±5℃	10±1 sec.	Temp.:260±5℃	Time:10±1 sec
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/ REEL

Package Type
封装形式