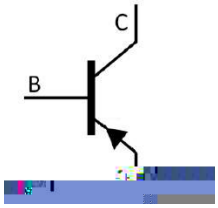
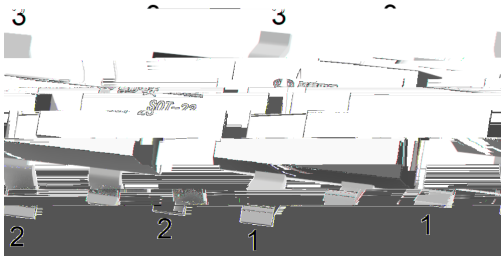
VRW056 SQS Silicon PNP transistor in a SOT-23 Plastic Package.

hIH H, VFH+vaw, DHF0T434

High DC Current Gain, Low Collector to Emitter Saturation Voltage, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

General purpose amplifier and switching, Meet the stringent requirements of automotive applications.

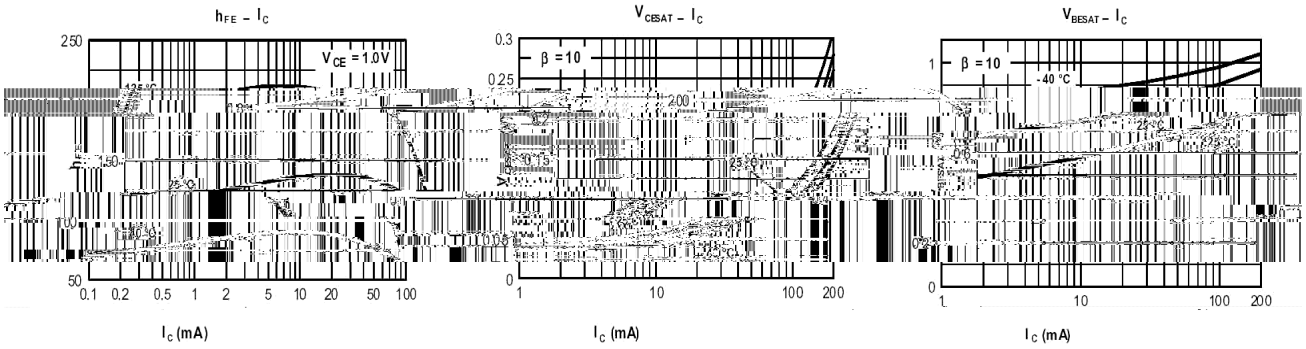


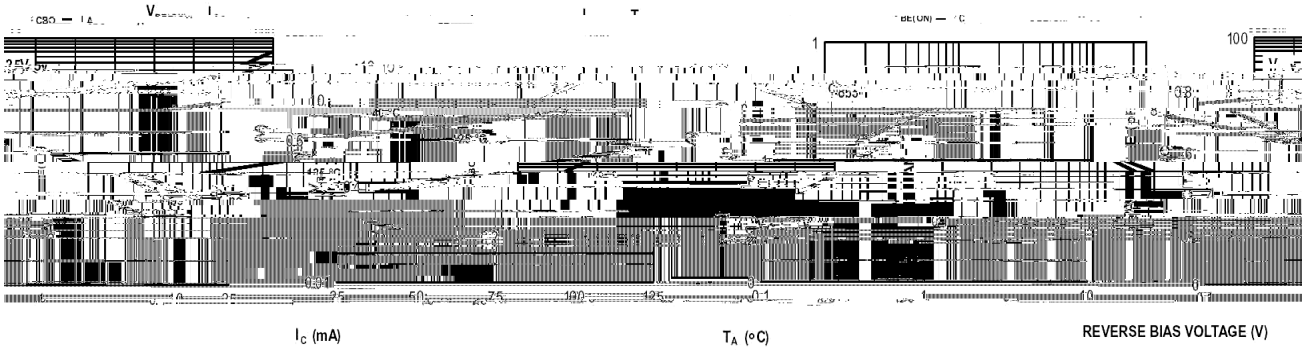


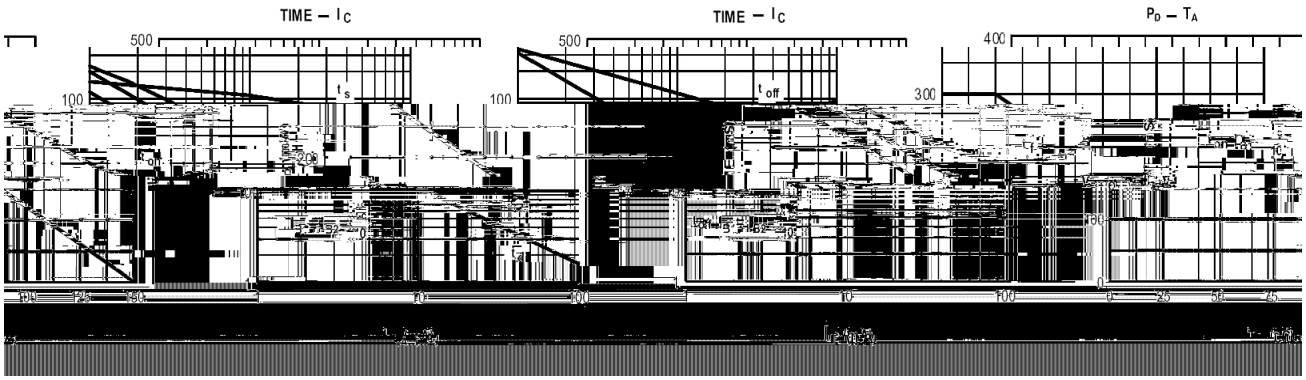
PIN 1 Base PIN 2 Emitter PIN 3 Collector

hFE Range	100 300
Marking	· Q2A

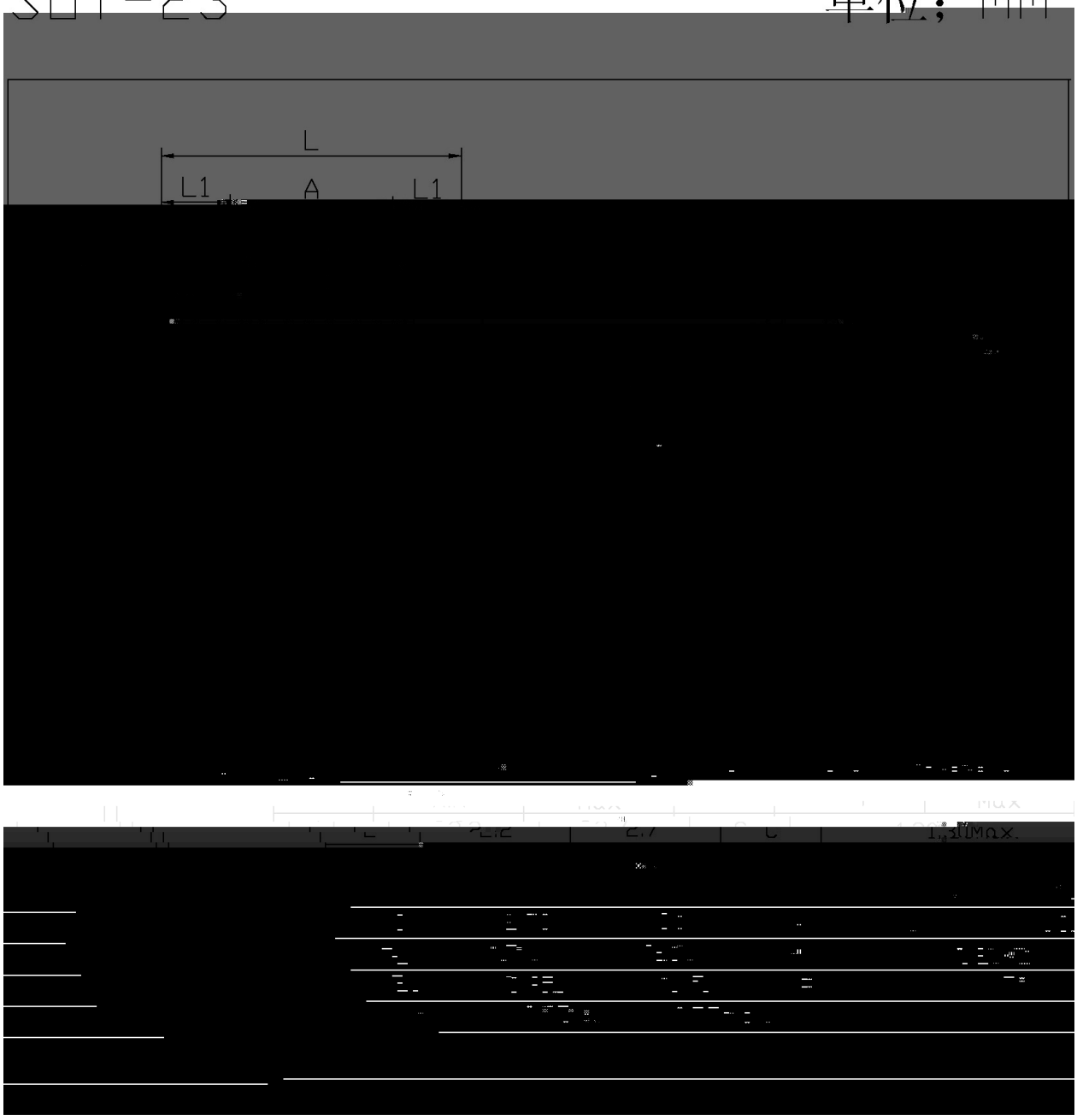
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Transition Frequency	f_T	V_{CE}=-20V I_C=-10mA f=100MHz	250			MHz
Output Capacitance	C_{ob}	V_{CB}=-5.0V f=1.0MHz			4.5	pF
Storage Time	t_{stg}	V_{CC}=-3.0V I_C=-10mA I_{B1}=-I_{B2}=-1.0mA			225	ns
Fall Time	t_f	V_{CC}=-3.0V I_C=-10mA I_{B1}=-I_{B2}=-1.0mA			75	ns
Delay Time	t_d	V_{CC}=-3.0V V_{BE}=-0.5V I_C=-10mA I_{B1}=-1.0mA			35	ns
Rise Time	t_r	V_{CC}=-3.0V V				

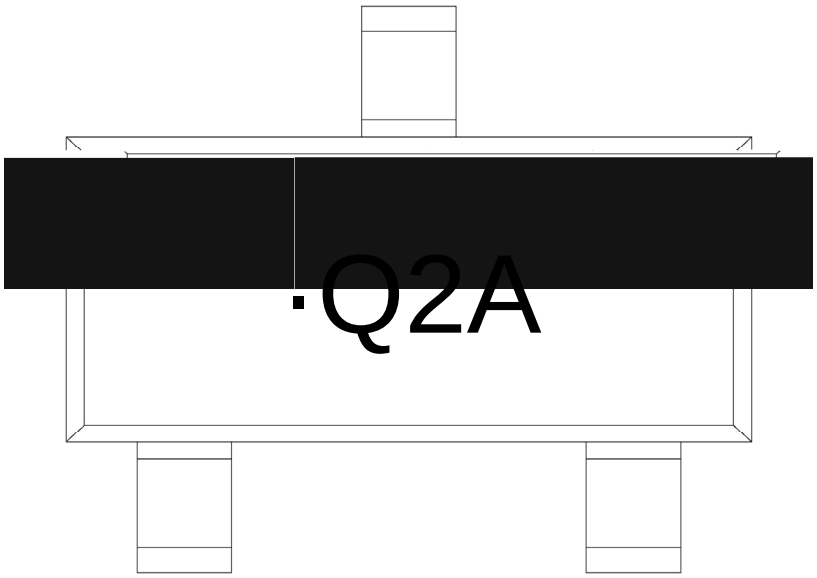

h_{FE} – I_C
V_{CE} = 1.0V
250
50
0.1 0.2 0.5 1 2 5 10 20 50 100
I_C (mA)
V_{CESAT} – I_C
β = 10
0.3
0.25
0
1 10 100 200
I_C (mA)
V_{BESAT} – I_C
β = 10
- 40 °C
1
0
1 10 100 200
I_C (mA)


100
I_C (mA)
T_A (°C)
REVERSE BIAS VOLTAGE (V)


TIME – I_C
500
100
t_s
TIME – I_C
500
100
t_{off}
P_D – T_A
400
300

SOT-23 单位：mm





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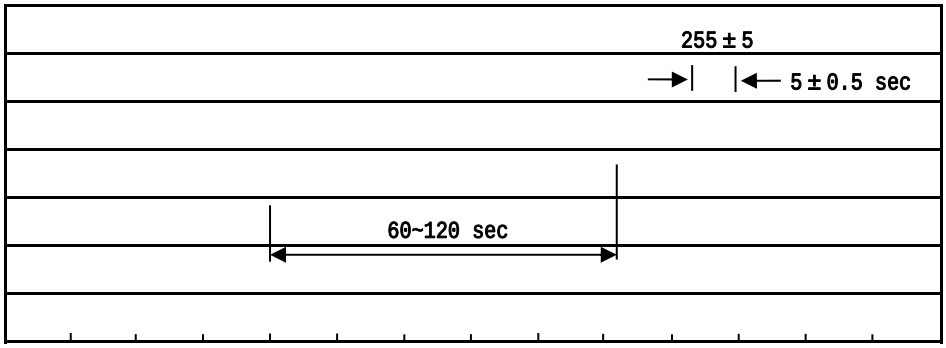
Q

2A

Note:

·	Identify
Q:	Automobile halogen-free product Code
2A	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

/ REEL

Package Type	Units					Dimension		(unit mm³)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
SOT-23	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205