BC856

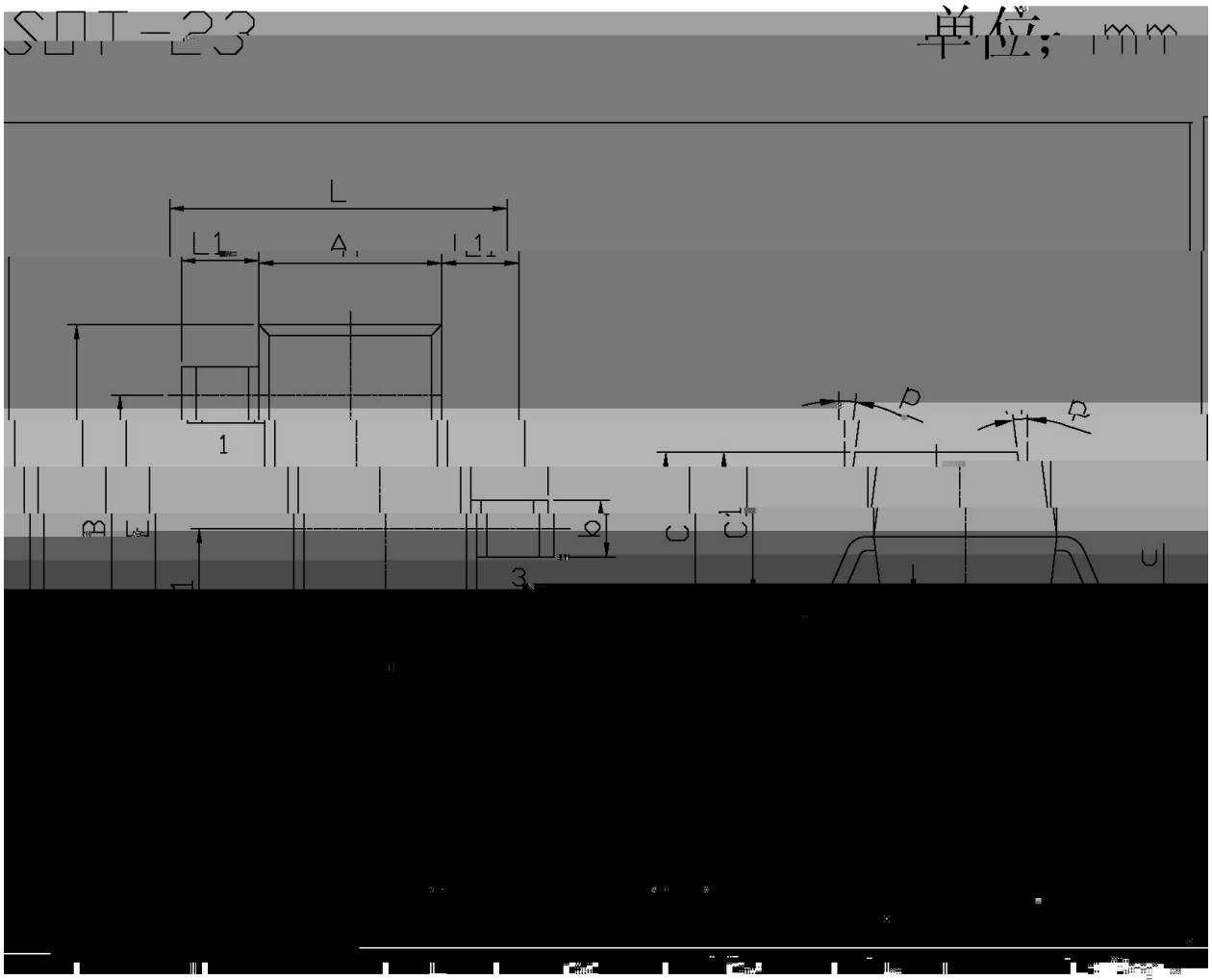
/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-80	V
Collector to Emitter Voltage	V_{CEO}	-65	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-100	mA
Collector Power Dissipation	P_C	350	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

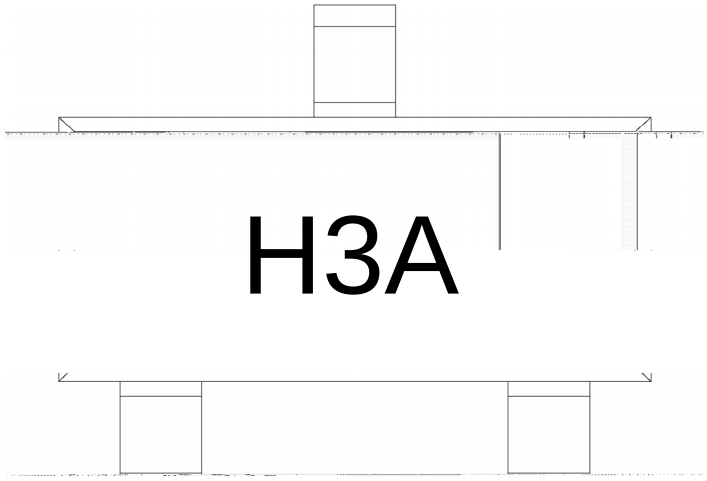
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	V_{CB}=-30 V I_E=0			-0.015	μA
DC Current Gain	h_{FE}	V_{CE}=-5.0V I_C=-2.0mA	125		475	
Collector to Emitter Saturation Voltage	$V_{CE(sat)(1)}$	I_C=-10mA I_B=-0.5mA		-0.09	-0.3	V
	$V_{CE(sat)(2)}$	I_C=-100mA I_B=-5.0mA		-0.25	-0.65	V
Base to Emitter Saturation Voltage	$V_{BE(sat)(1)}$	I_C=-10mA I_B=-0.5mA		-0.7		V
	$V_{BE(sat)(2)}$	I_C=-100mA I_B=-5.0mA		-0.9		V
Base to Emitter Voltage	$V_{BE(ON)1}$	V_{CE}=-5.0V I_C=-2.0mA	-0.6	-0.65	-0.75	V
Base to Emitter Voltage	$V_{BE(ON)2}$	V_{CE}=-5.0V I_C=-10mA			-0.82	V
Transition Frequency	f_T	V_{CE}=-5.0V I_C=10mA f=100MHz		150		MHz
Collector Output Capacitance	C_{ob}	V_{CB}=-10V I_E=0 f=1.0MHz		4.5		pF
Noise Figure	NF	V_{CE}=-6.0V I_C=-0.1mA R_g=2KΩ f=1.0KHz		2.0	10	dB

/ Package Dimensions



/ Marking Instructions

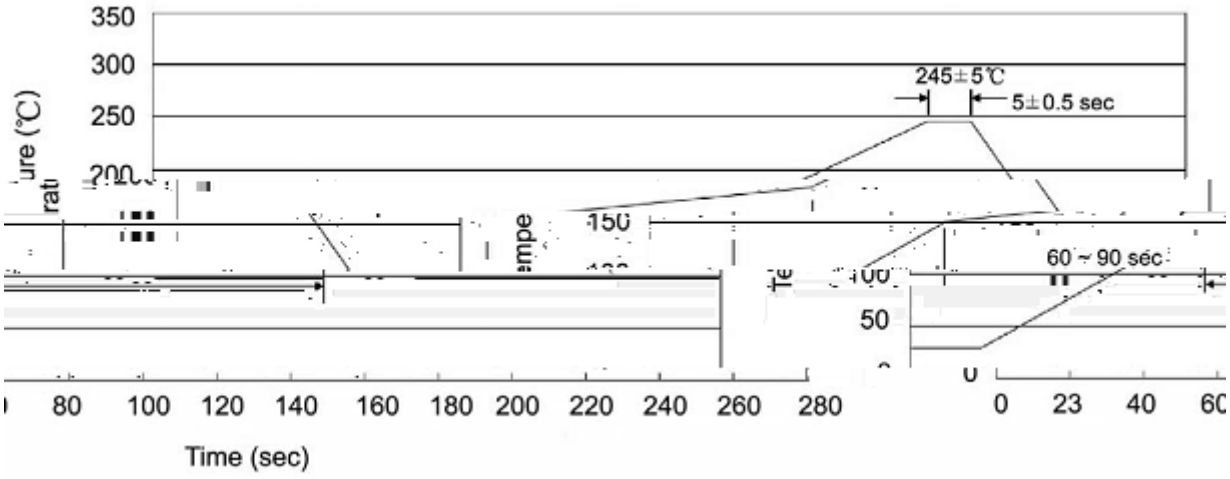


Note:

H: Company Code.

3A: Product Type Code

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

1	25	150	60	90sec;	1.Preheating:25~150 , Time:60~90sec.
2	245	5	5	0.5sec;	2.Peak Temp.:245 5 , Duration:5 0.5sec.
3	2	10	/sec.		3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260 5	10 1 sec.	Temp.:260±5	Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension		(unit mm^3)
	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

/ Notices