BCW70

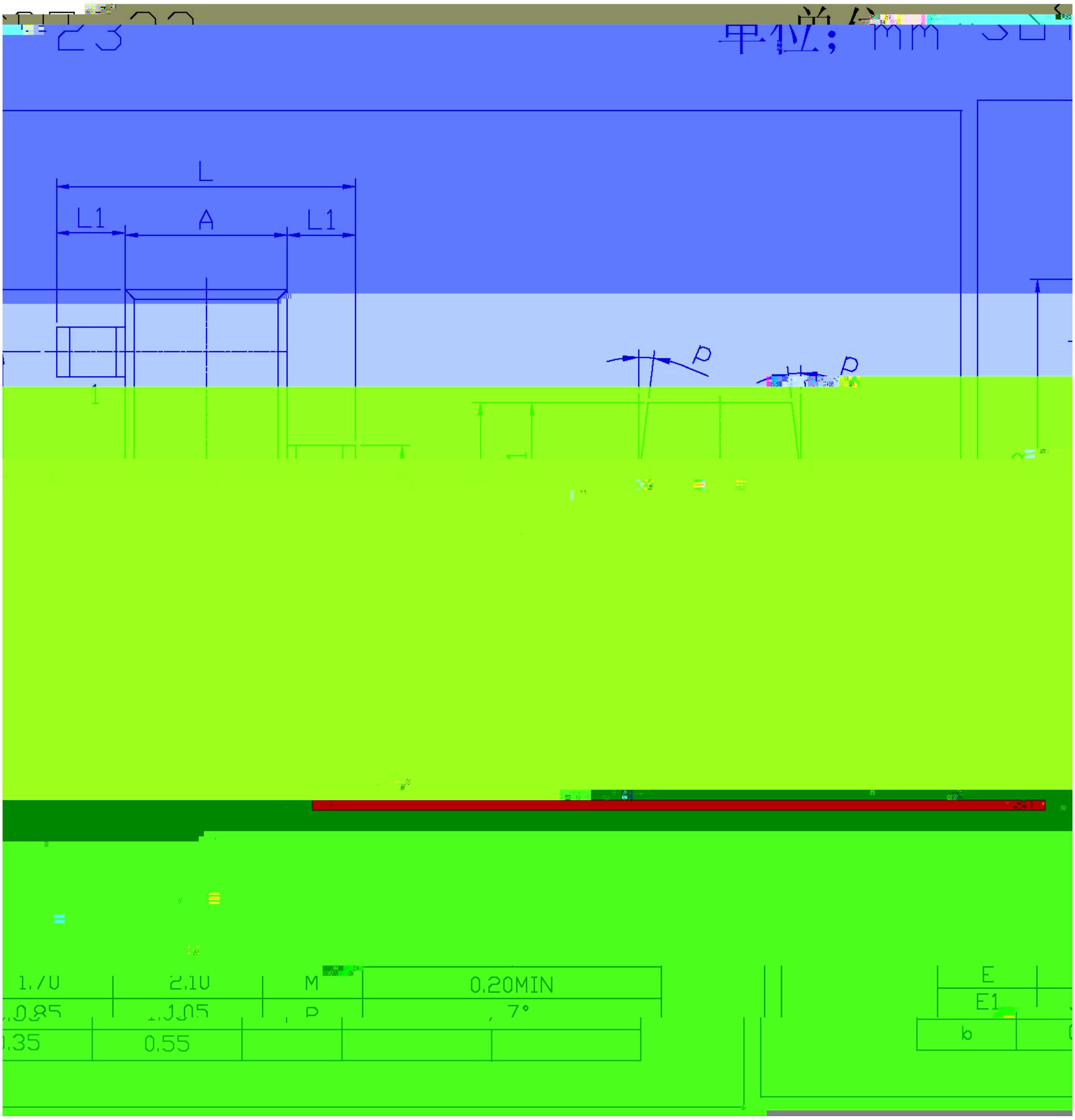
Rev.F Apr.-2017

VRW-56 SQS

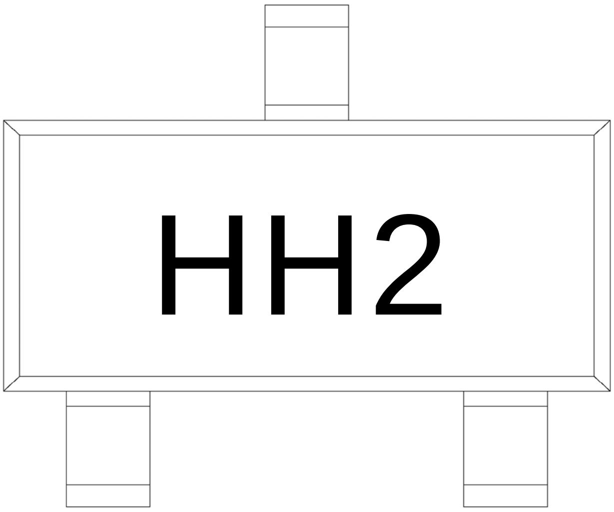
Parameter	N Symbol	Rating	Ꜧ Unit
Collector to Base Voltage	V_{CBO}	-50	V
Collector to Emitter Voltage	V_{CEO}	-45	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current(DC)	I_C	-100	mA
Peak Collector Current	I_{CM}	-200	mA
Peak Base Current	I_{BM}	-200	mA
Collector Power Dissipation	P_C	250	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	N Symbol	Test Conditions	Min	Typ	Max	Ꜧ Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=-100μA I_E=0	-50			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-500μA I_B=0	-45			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=-100μA I_C=0	-5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-20 V I_E=0			-0.1	μA
Emitter Base Cut-Off Current	I_{EBO}	V_{EB}=-5.0V I_C=0			-0.1	μA
	$h_{FE(1)}$	V_{CE}=-5.0V I_C=-2.0mA	215		500	

/ Package Dimensions



/ Marking Instructions

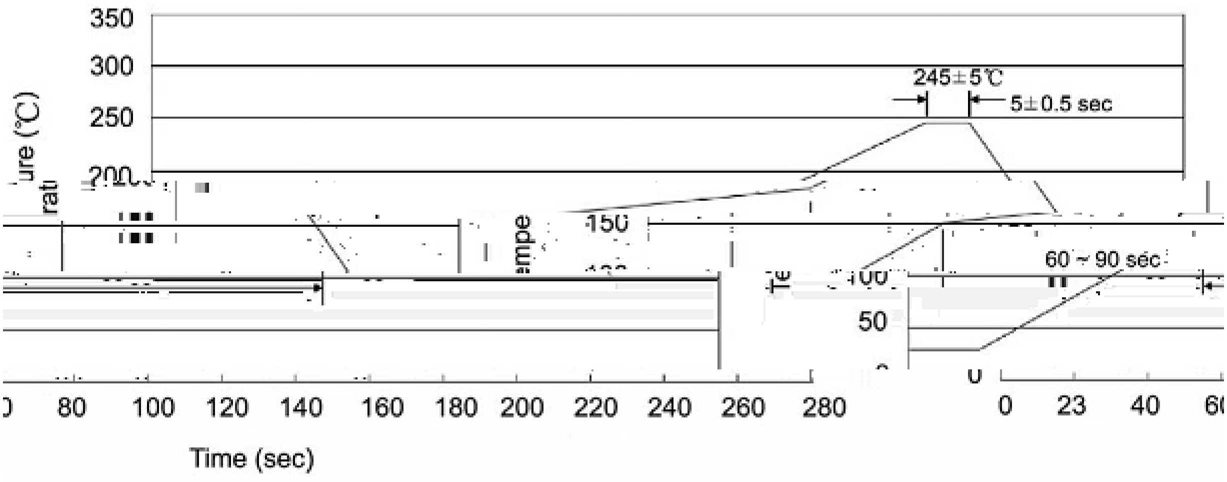


H	И
H2	N

Note:

H:	Company Code
H2:	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 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm^3)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOT-23	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205

/ Notices