

DS22W~DS220W

Rev.D May.-2017

/ Descriptions

20~200V 2.0A SOD-123FL
Surface Mount Schottky Barrier Rectifier Reverse Voltage 20 to 200 V Forward Current 2.0A
SOD-123FL thin package

/ Features

Low power loss high efficiency,High forward surge current capability,For use in low voltage,high frequency inverters,and polarity protection applications,For surface mounted applications.Halogen free product

/ Applications

General purpose.

/ Equivalent Circuit



/ Pinning

/ Marking

See Marking Instructions.

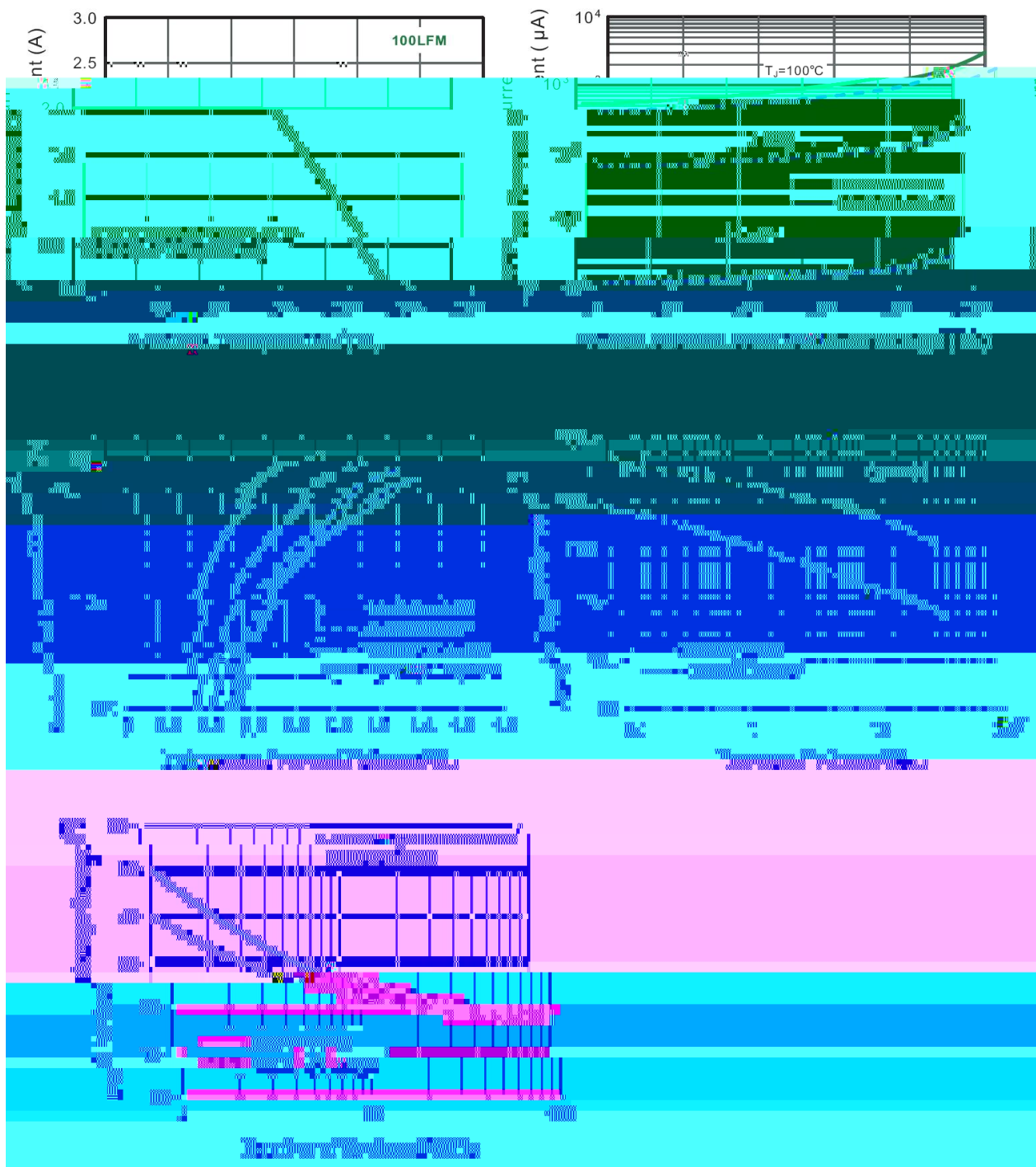
Parameter	Symbol	Rating								Unit
		DS22W	DS24W	DS26W	DS28W	DS210W	DS212W	DS215W	DS220W	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	40	60	80	100	120	150	200	V
Maximum RMS Voltage	V _{RMS}	14	28	42	56	70	84	105	140	V
Maximum DC Blocking Voltage	V _{DC}	20	40	60	80	100	120	150	200	V
Maximum Average Forward Rectified Current	I _{F AV}	2.0								A
Peak Forward Surge Current,8.3ms Single Half ine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	50				40				A
Typical Junction Capacitance ¹	C _i	220		80						pF
Operating Junction Temperature Range	T _j	-55~+125								
Storage Temperature Range	T _{stg}	-55~+150								

Note:

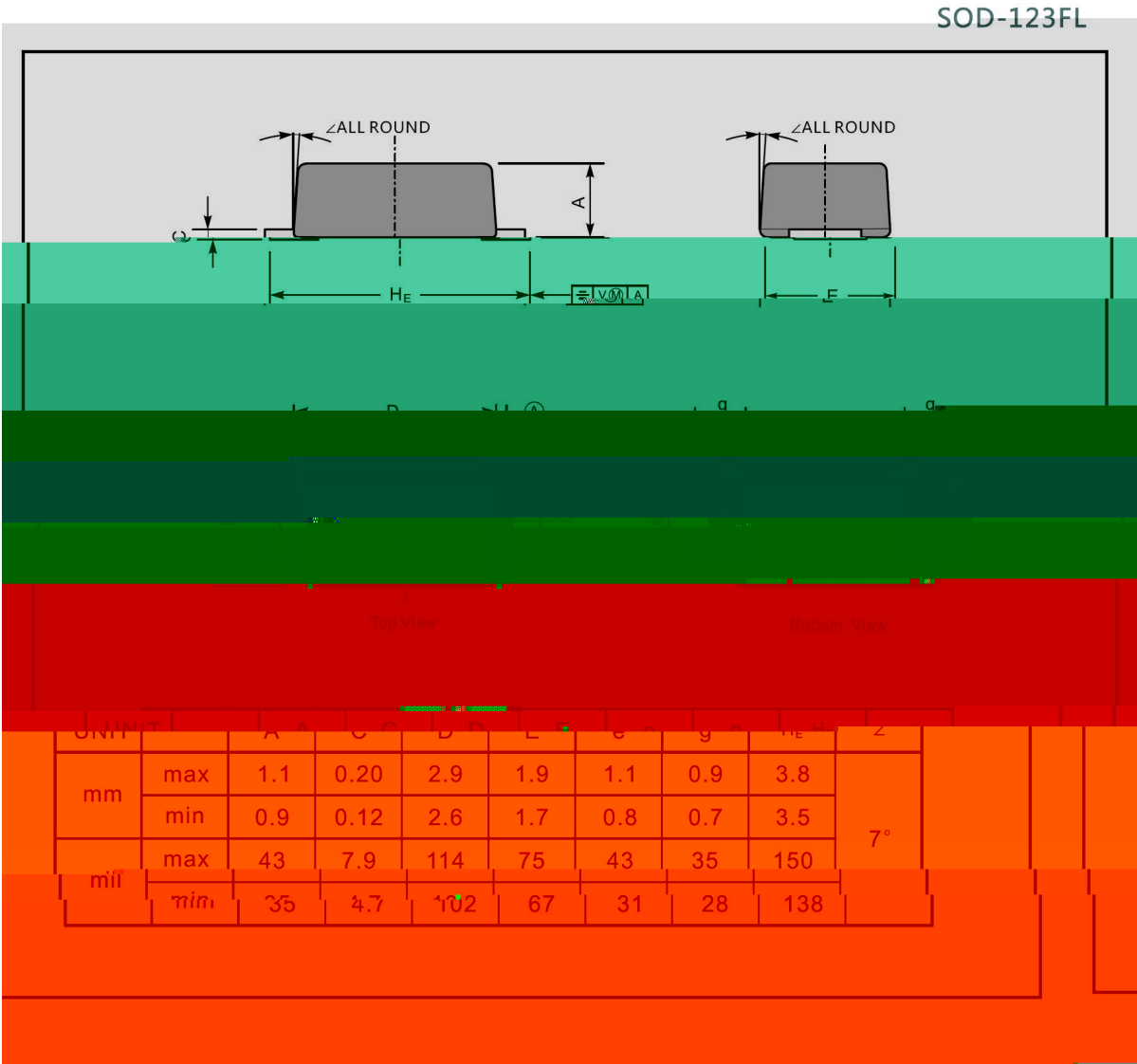
1 Measured at 1MHz and applied reverse voltage of 4 V D.C.

Parameter	Symbol	Test Conditions	Rating								Unit
			DS22W	DS24W	DS26W	DS28W	DS210W	DS212W	DS215W	DS220W	
Max Instantaneous Forward Voltage Maximum DC	V_F	$I_F=2.0A$	0.55		0.70		0.85		0.95		V

/ Electrical Characteristic Curve



/ Package Dimensions



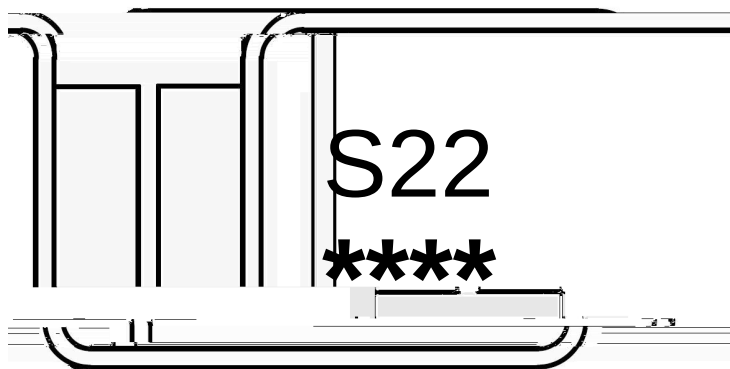
/ Marking Instructions

Marking

Type number		Marking code
DS22W		S22
DS24W		S24
DS26W		S26
DS28W		S28
DS210W		S210
DS212W		S212
DS215W		S215
DS220W		S220



/ Marking Instructions



S22

1 *

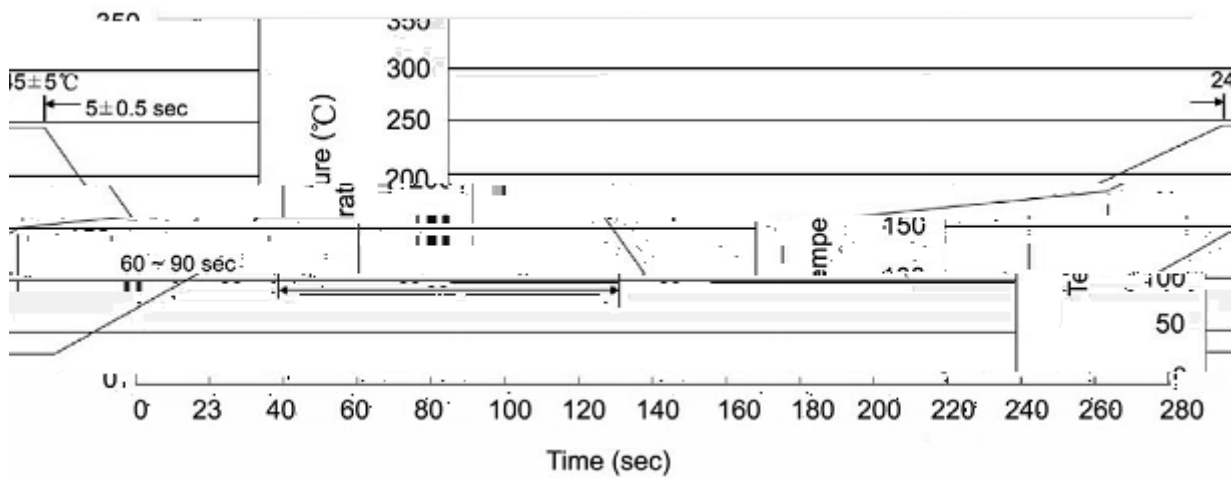
3 *

Note:

S22 Product Type Code

***** Lot No. Code The 1st * means:YM Code The last 3 * means:little Lot No 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.

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