

US1AW~US1MW
Rev.A Mar.-2018

/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating							Unit
		US1AW	US1BW	US1DW	US1GW	US1JW	US1KW	US1MW	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at $T_C = 125$	$I_{F\ AV}$	1.0							A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	30							A

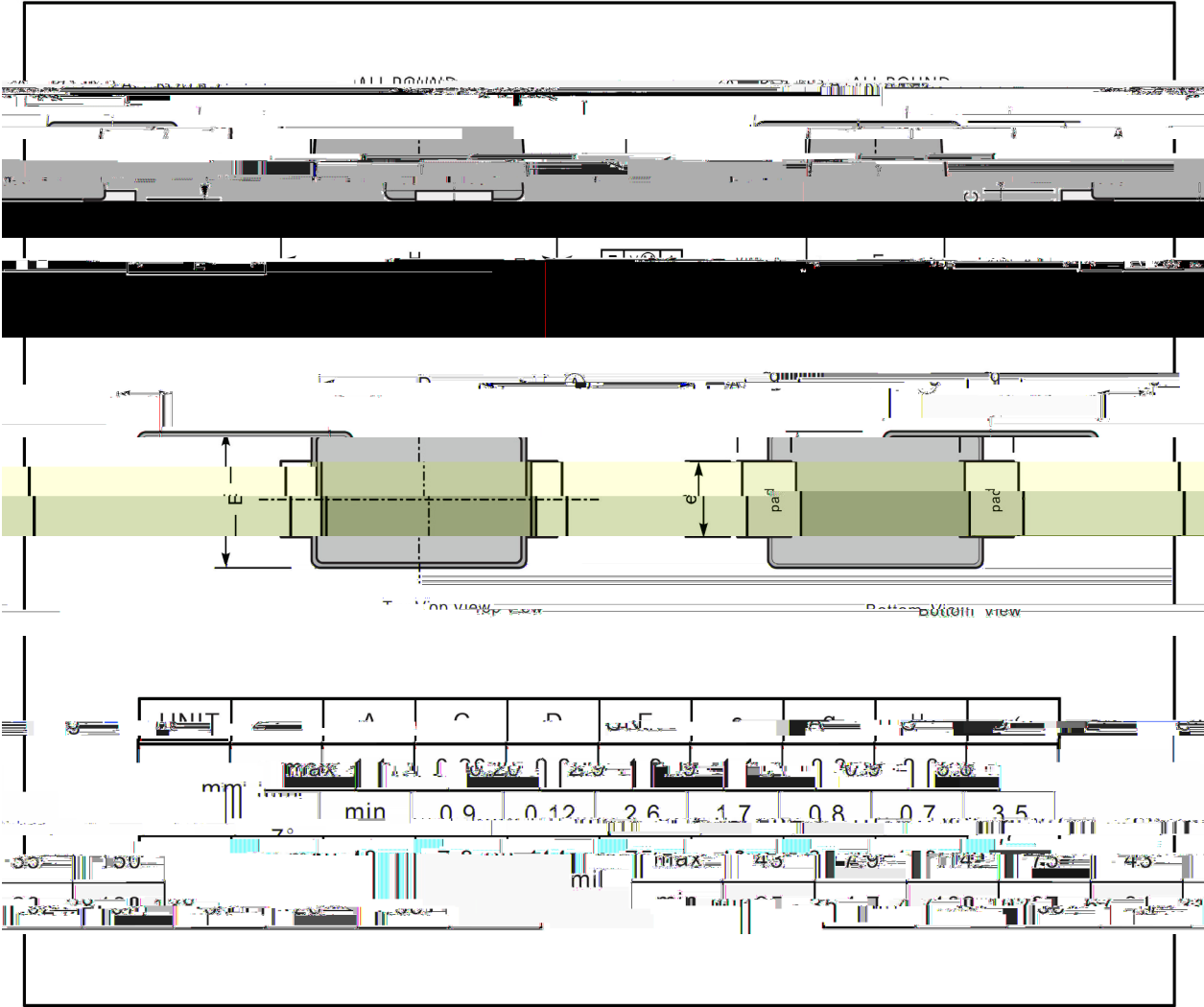
Note:

1) P.C.B. mounted with 2.0 X 2.0" (5 X 5 cm) copper pad areass .

Parameter	Symbol	Test condition	Rating							Unit
			US1AW	US1BW	US1DW	US1GW	US1JW	US1KW	US1MW	
Maximum Instantaneous Forward Voltage	V _F	I _F =1.0A	1.0			1.3	1.65			V
Maximum DC Reverse Current at Maximum DC Blocking Voltage	I _R	T _a =25	5.0							uA
		T _a =125	100							
Maximum Reverse Recovery Time	T _{rr}	I _F =0.5A I _R =1.0A I _{rr} =0.25A	50				75			ns

/ Package Dimensions

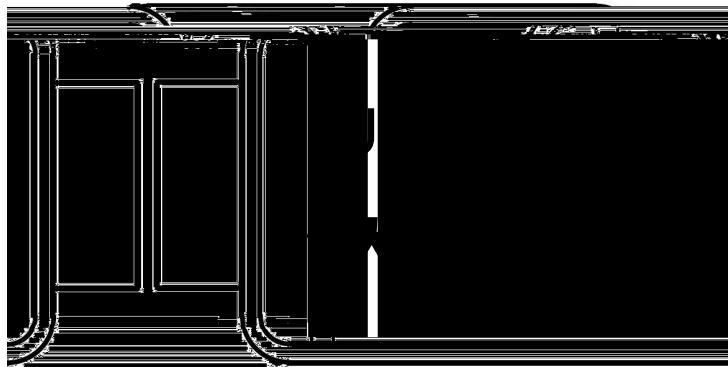
SOD-123FL



Marking

Type number	Marking code
US1AW	USL
US1BW	
US1DW	
US1GW	USM
US1JW	
US1KW	USH
US1MW	

/ Marking Instructions



1 *

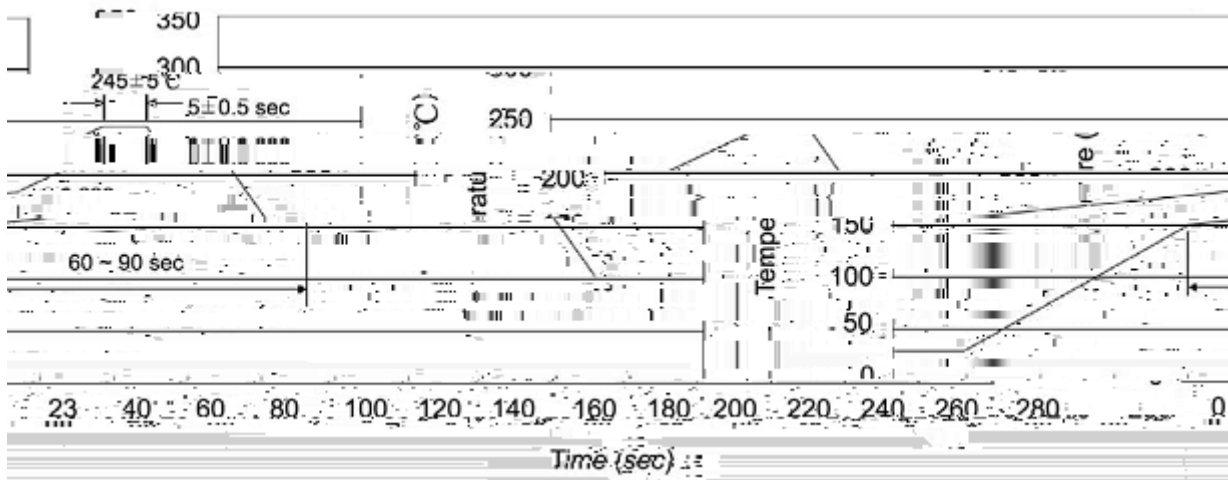
3 *

USL 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