20V~200V 3.0A SMA

Surface Mount Schottky Barrier Rectifiers, Reverse Voltage 20 to 200V,Forward Current: 3.0A ,SMA package.

RoHS 2011/65/EU

Low power loss, high efficiency High forward surge current capability Lead free in comply with EU RoHS 2011/65/EU directives, For surface mounted applications,HF product.

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General purpose.



/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating									Unit
		SS32	SS34	SS345	SS36	SS38	SS310	SS312	SS315	SS320	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	20	40	45	60	80	100	120	150	200	V
Maximum RMS voltage	V_{RMS}	14	28	32	42	56	70	84	105	140	V
Maximum DC Blocking Voltage	V_{DC}	20	40	45	60	80	100	120	150	200	V
Maximum Average Forward Rectified Current	$I_{F\ AV}$	3.0									A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	80									A
Typical Junction Capacitance	C_j	250			180						pF
Typical Thermal Resistance [1]	$R_{\theta JA}$	70									/W
Operating and Storage Temperature Range	T_j,T_{stg}	-55~+150									

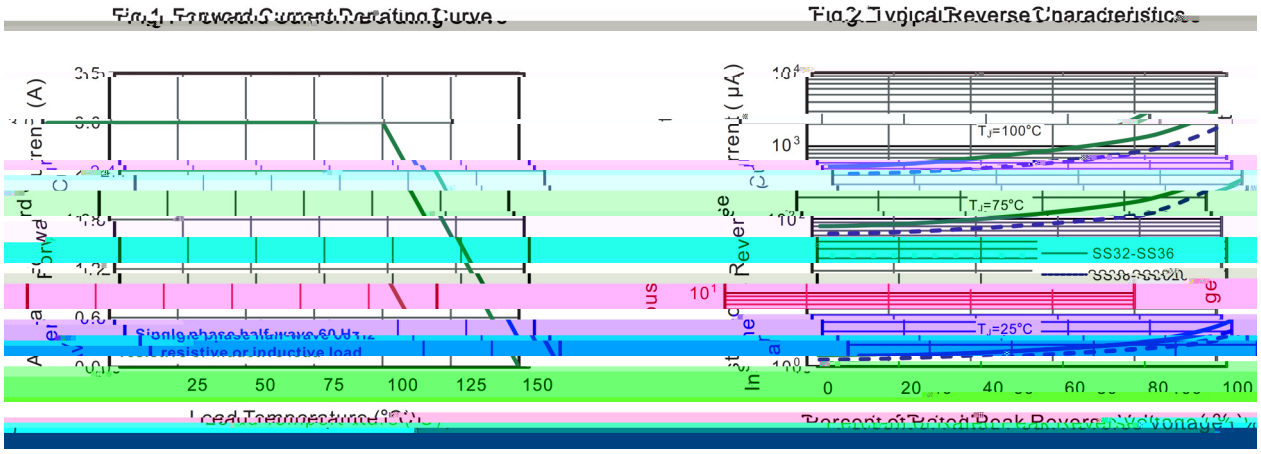
Note:

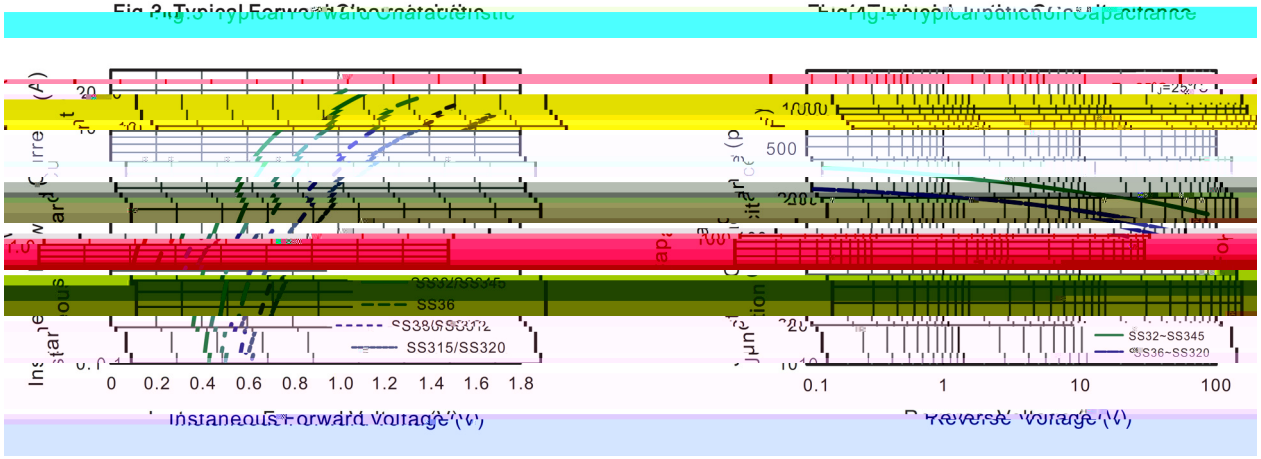
1 P.C.B. mounted with 2.0 X 2.0" (5 X5 cm) copper pad areas.

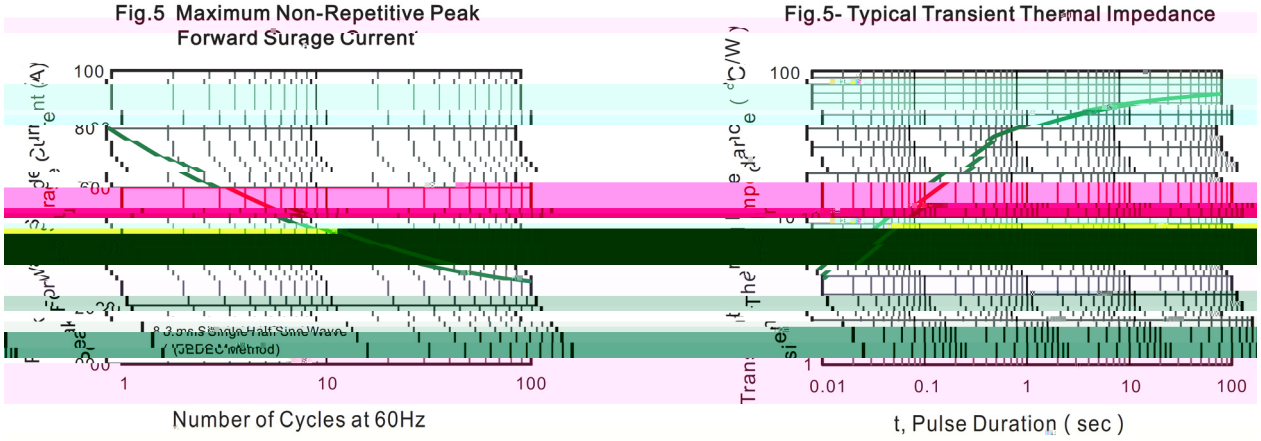
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Rating									Unit
			SS32	SS34	SS345	SS36	SS38	SS310	SS312	SS315	SS320	
Maximum Instantaneous Forward Voltage	V_F	I_F=3.0A	0.55			0.70	0.85			0.95		V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	T_a=25	0.5				0.3					mA
		T_a=100	5.0				3.0					mA

/ Electrical Characteristic Curve

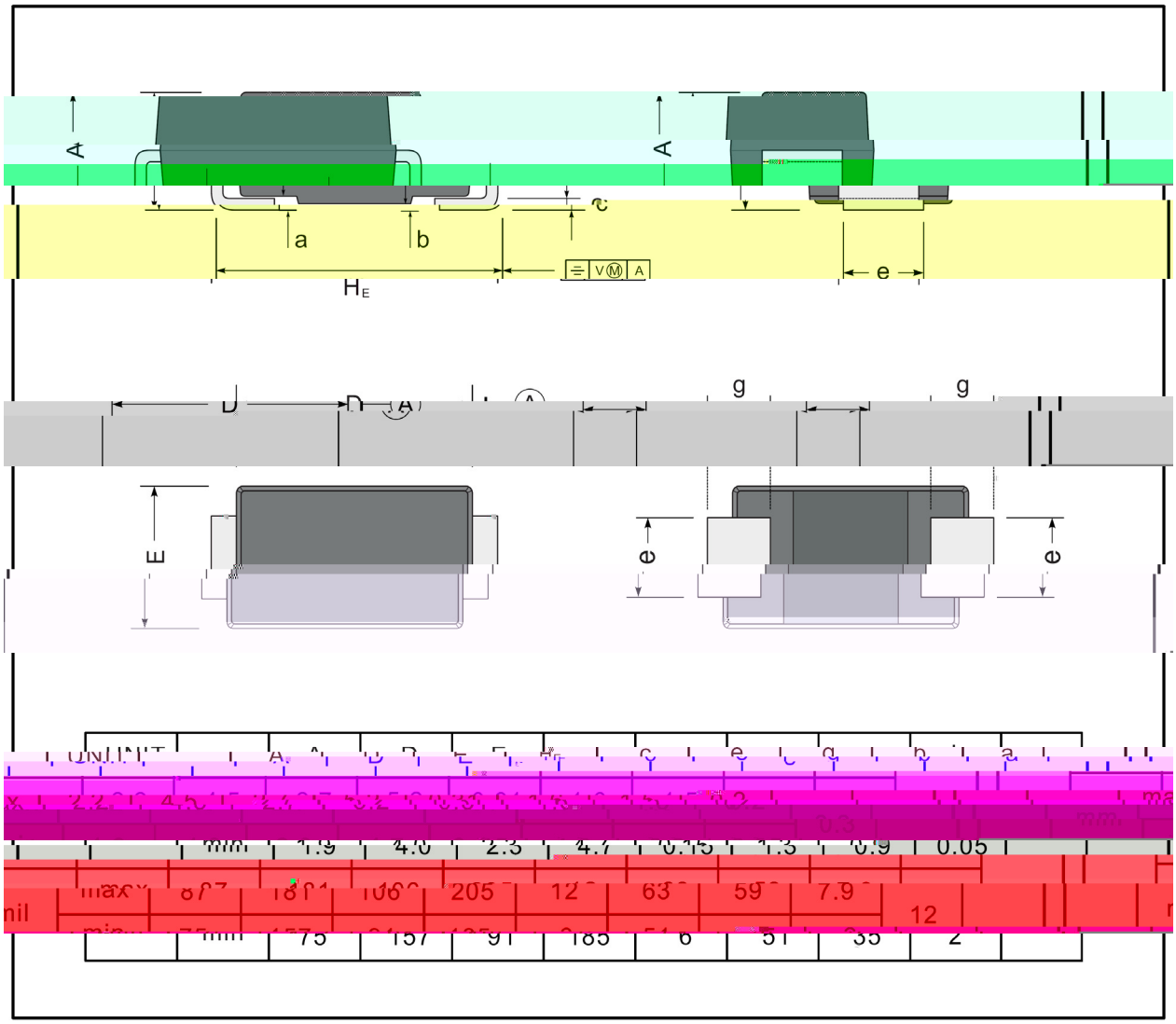






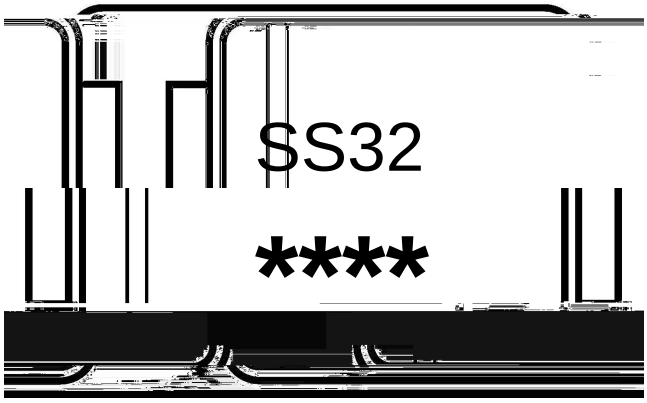
/ Package Dimensions

SMA



UNIT	A	A_1	b	D	E	E_1	c	e	L	L_1	a
mm	1.9	4.0	2.3	4.7	0.15	1.3	0.9	0.05			
max	75	157	91	185	6	51	35	2			
nil									12		

/ Marking Instructions



SS32

******** 1 ***** 3 *****

Note:

SS32 Product Type Code

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

Marking

Type number	Marking code
SS32	SS32
SS34	SS34
SS345	SS345
SS36	SS36
SS38	SS38
SS310	SS310
SS312	SS312
SS315	SS315
SS320	SS320

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

					Note:
1	150	180	60	90sec;	1.Preheating:150~180