50V~1000V 8.0A SMC

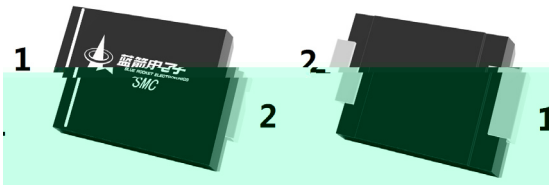
Surface Mount Ultrafast Recovery Rectifier, Reverse Voltage: 50 to1000V, Forward Current: 8.0A, SMC package.

RoHS 2011/65/EU

Glass Passivated Chip Junction Superfast reverse recovery time Lead free in comply with EU R0HS 2011/65/EU directives For surface mounted applications HF Product.

.

General purpose.

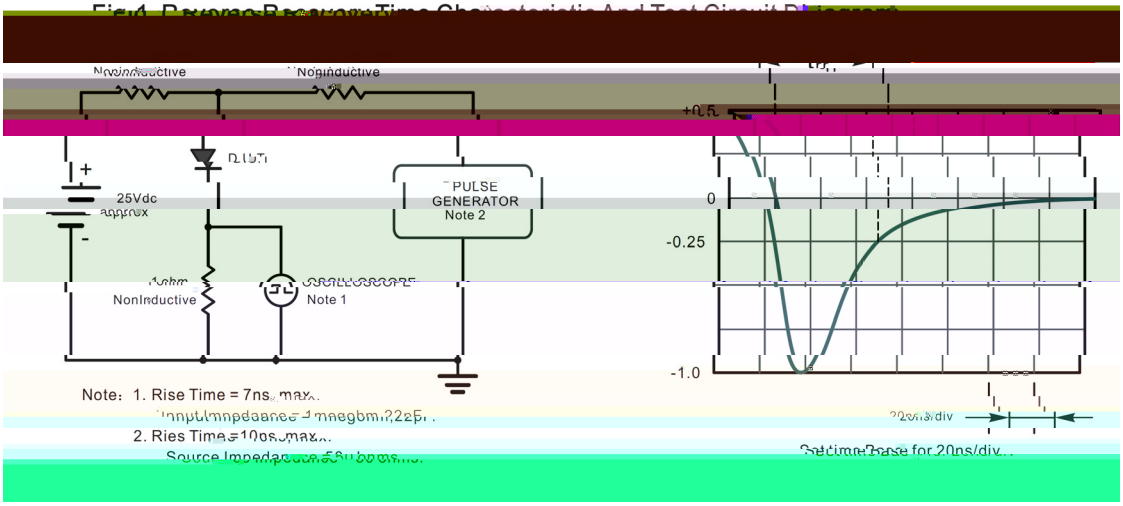


PIN	DESCRIPTION
1	Cathode
2	Anode

/ Marking

See Marking Instructions.

/ Electrical Characteristic Curve



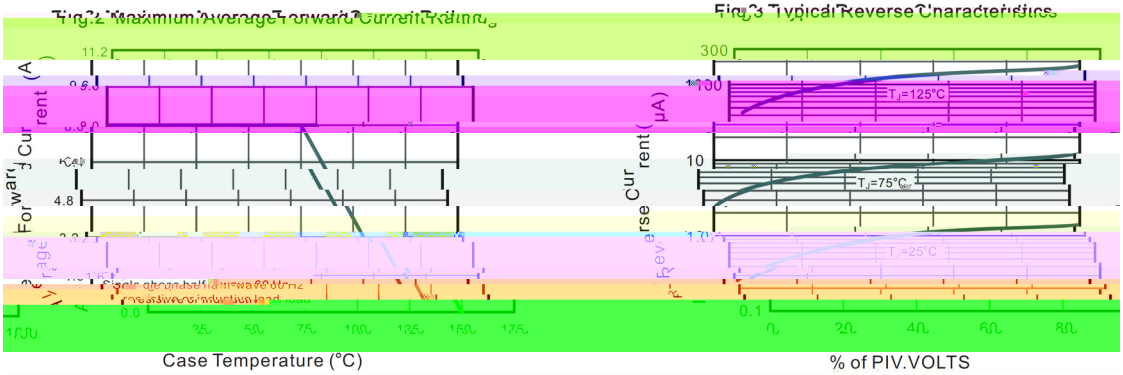
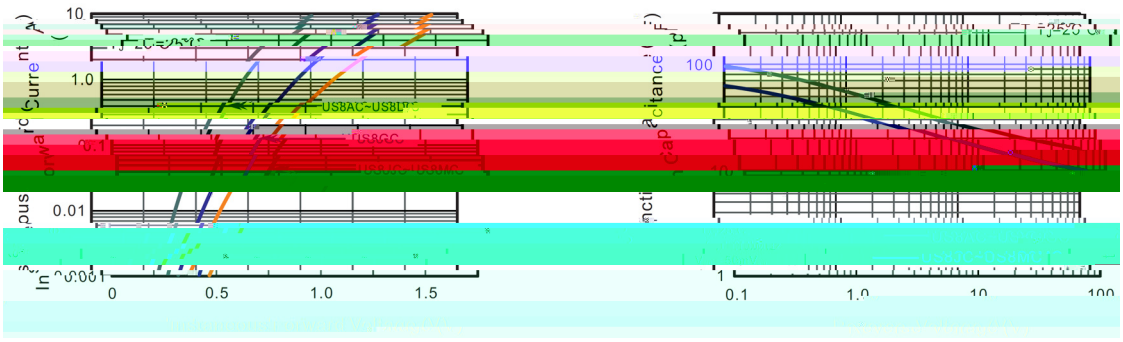


Fig.4 Typical Forward Characteristics

Fig.5 Typical Junction Capacitance



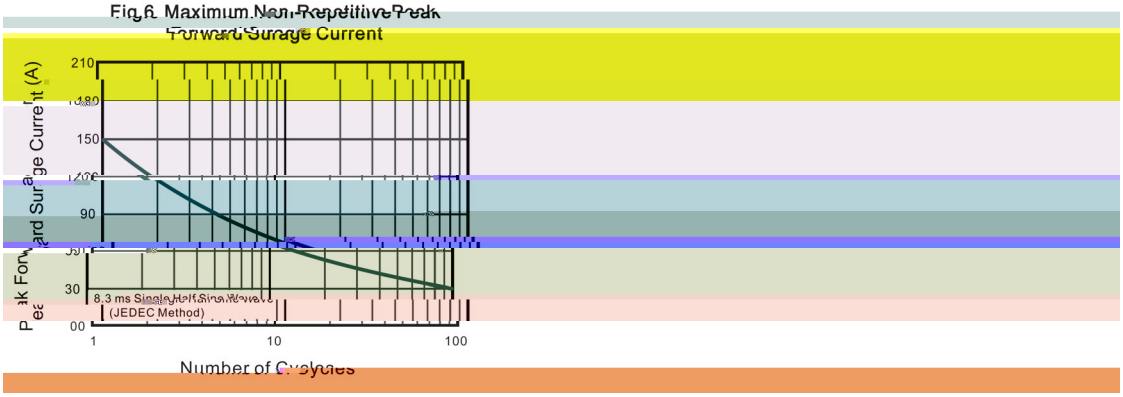
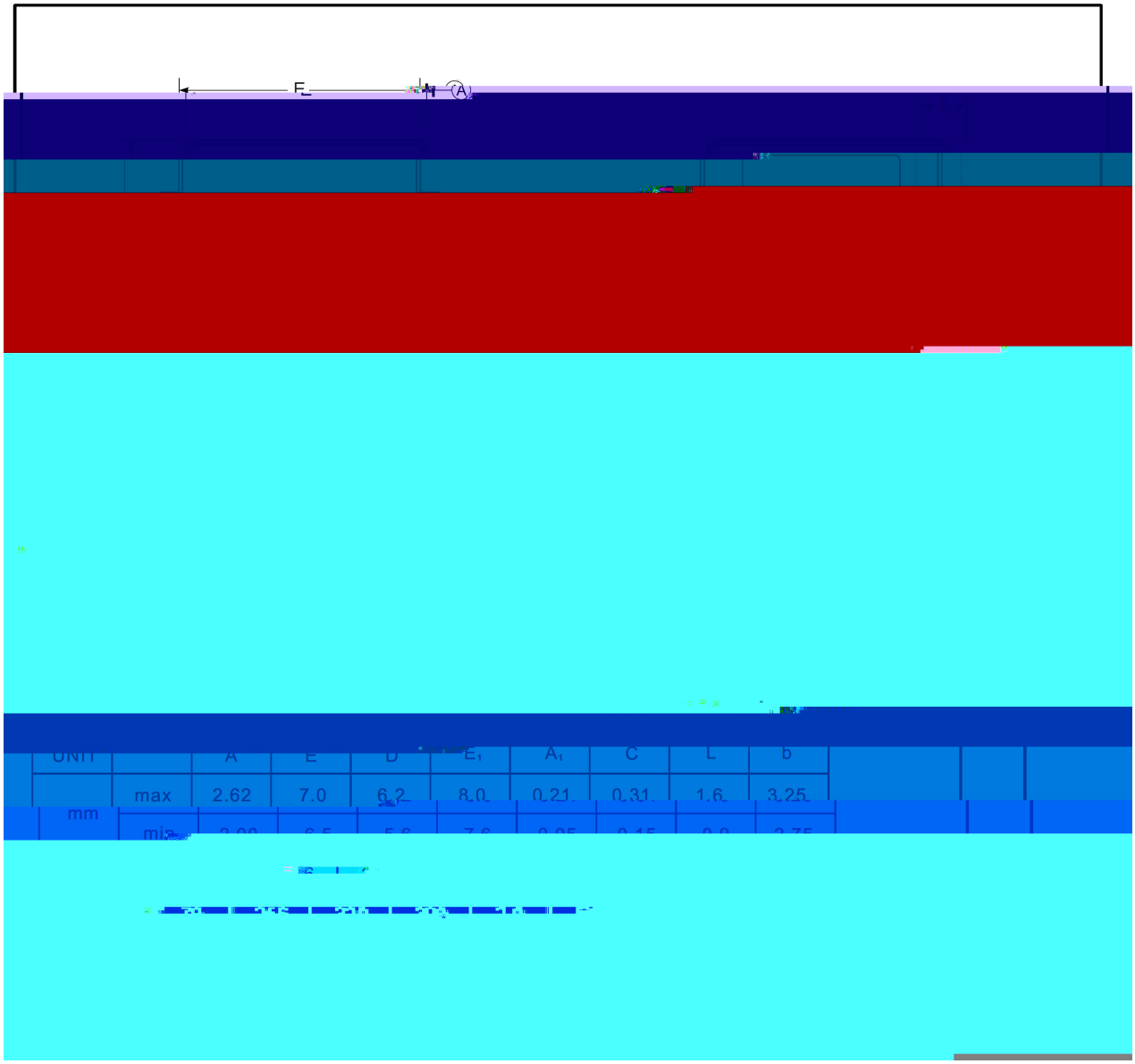


Fig.6 Maximum Non-Repetitive Peak Forward Surge Current

/ Package Dimensions

SMC



UNIT		A	E	D	E1	A1	C	L	b
mm	max	2.62	7.0	6.2	8.0	0.21	0.31	1.6	3.25
	min								

/ Marking Instructions

US8A

**** 1 * 3 *

Note:

US8A Product Type Code

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

Marking

Type number	Marking code
US8AC	US8A
US8BC	US8B
US8DC	US8D
US8GC	US8G
US8JC	US8J
US8KC	US8K
US8MC	US8M

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

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

10 / Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL