50V~1000V 8.0A SMC

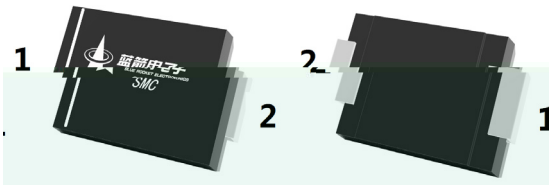
Surface Mount Ultrafast Recovery Rectifier, Reverse Voltage: 50 to1000V, Forward Current: 8.0A, SMC package.

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

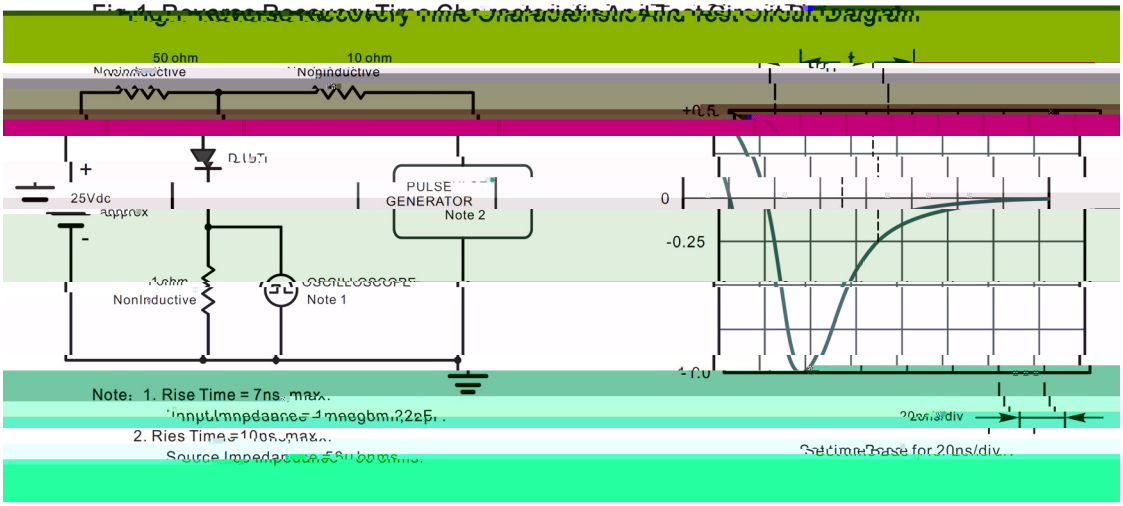


Fig.1 Reverse Recovery Time Characteristic And Test Circuit Diagram

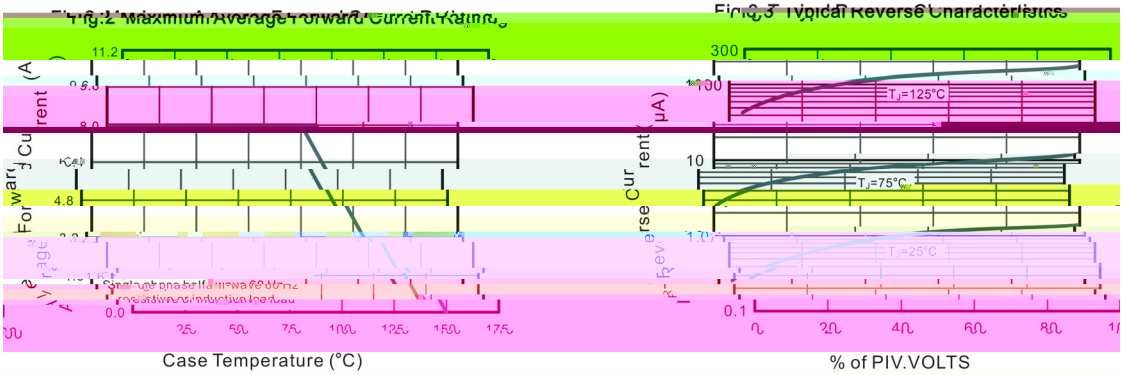
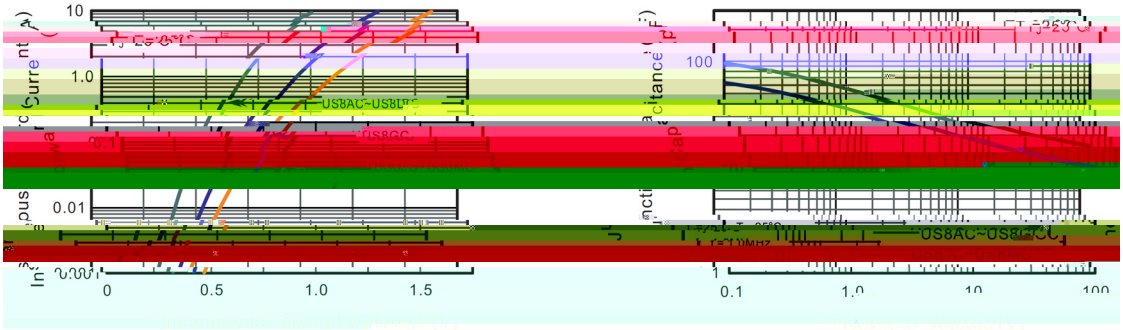


Fig.2 Maximum Average Forward Current Rating

Fig.3 Typical Reverse Characteristics

Fig.4 Typical Forward Characteristics

Fig.5 Typical Junction Capacitance



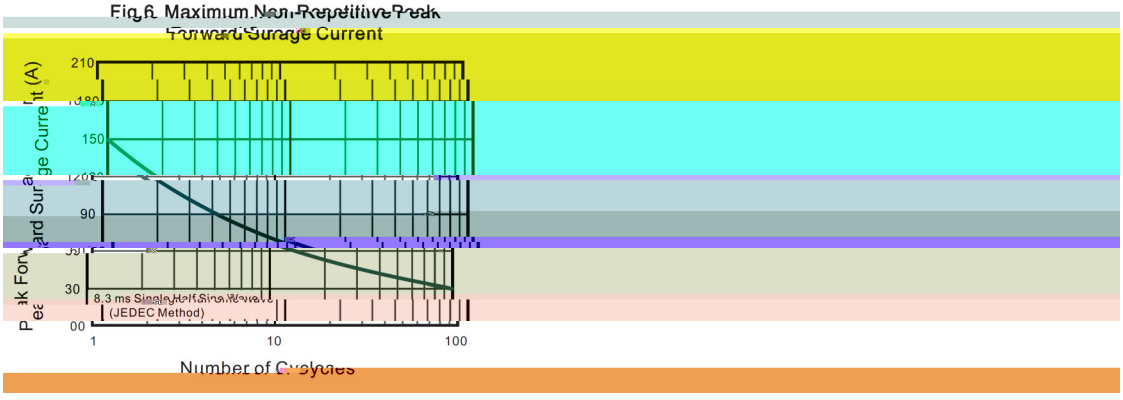
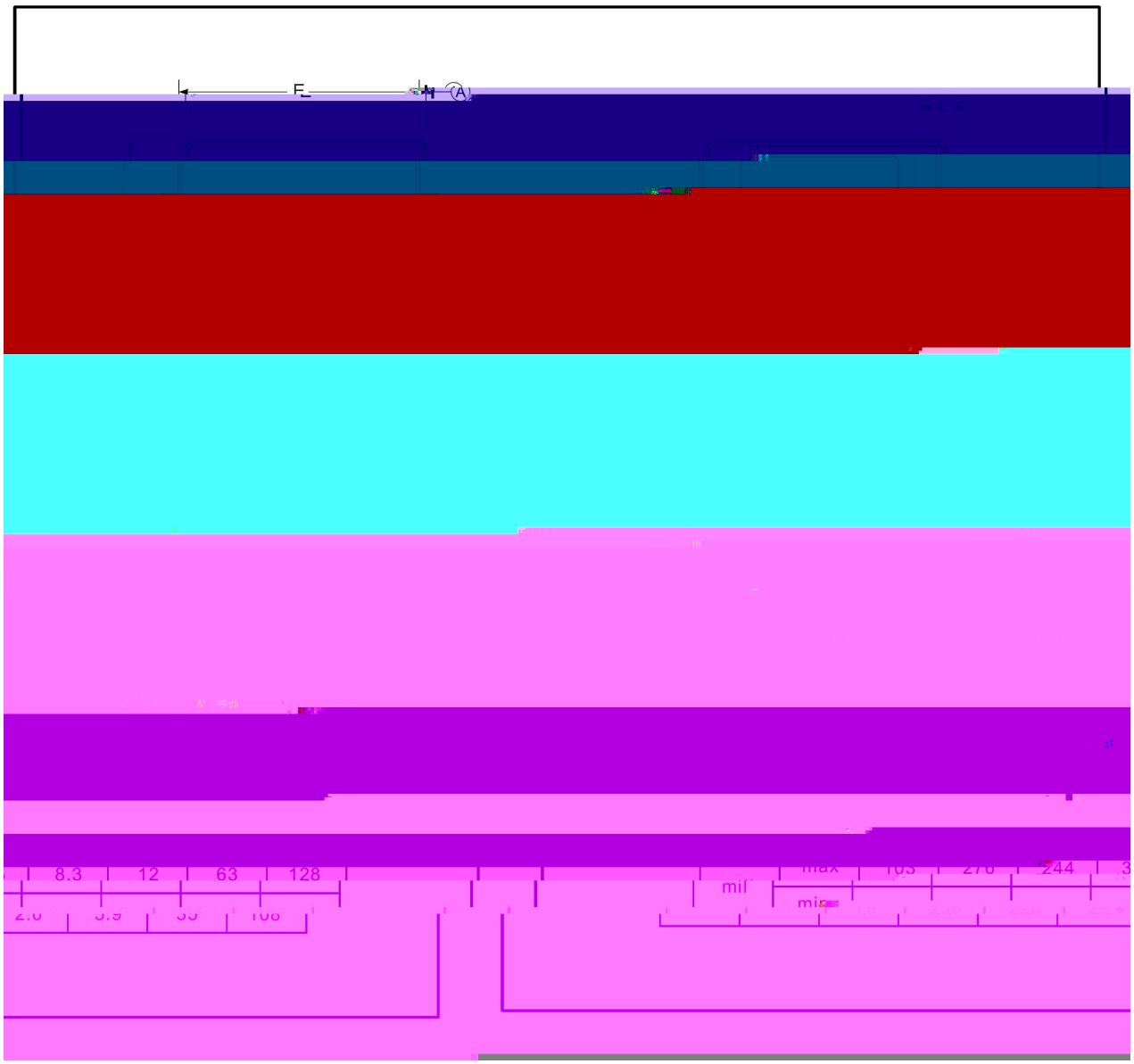


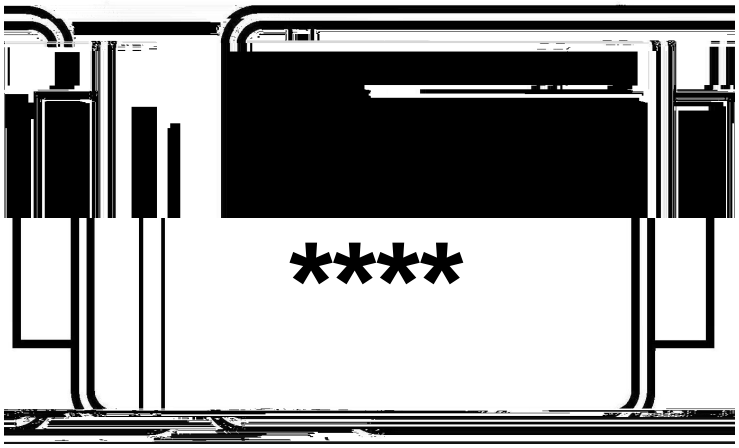
Fig.6 Maximum Non-Repetitive Peak Forward Surge Current

/ Package Dimensions

SMC



/ 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