

/ Descriptions

50V~1000V 3.0A SMB

Surface Mount Ultrafast Recovery Rectifier,Reverse Voltage:50 to1000V,Forward Current:3.0A, SMB package.

/ Features

RoHS 2011/65/EU

Glass Passivated Chip Junction High efficiency Lead free in comply with EU ROHS 2011/65/EU directives For surface mounted applications. Halogen free product.

/ Applications

General purpose.

/ Equivalent Circuit



/ Pinning



| PIN | DESCRIPTION |
|---------|-------------|
| Cathode | 1 |
| Anode | 2 |



/ Marking

See Marking Instructions.

Note:

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

| Parameter | Symbol | Test condition | Ra19.u7ng | | | | | | Unit |
|--|--------|----------------|-------------------------|-------|-------|-------|-------|-------|------|
| | | | US3AB | US3BB | US3DB | US3GB | US3JB | US3KB | |
| Maximum Instantaneous Forward Voltage | V_F | $I_F=3.0A$ | 1.0 | | 1.3 | 1.68 | | V | |
| Maximum DC Blocking Voltage at Maximum DC Blocking Voltage | I_R | $T_a=25$ | 5.0 | | | | | | uA |
| Maximum Reverse Recovery Time | | T_{rr} | $T_a=125$ $I_F=0.5A$ | 100 | | | | | |

/ Electrical Characteristic Curve

Fig.1 Maximum Average Forward Current Rating

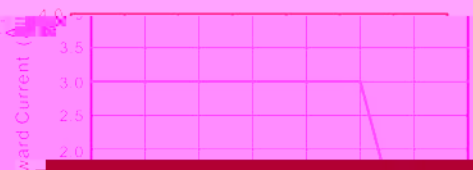
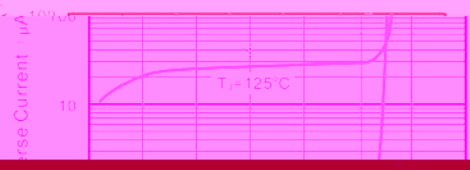
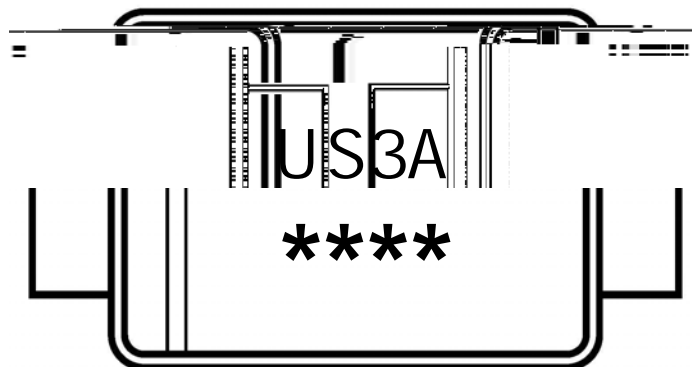


Fig.2 Typical Reverse Characteristics



Ø □ =) ϕ

/ Marking Instructions



US3A

1

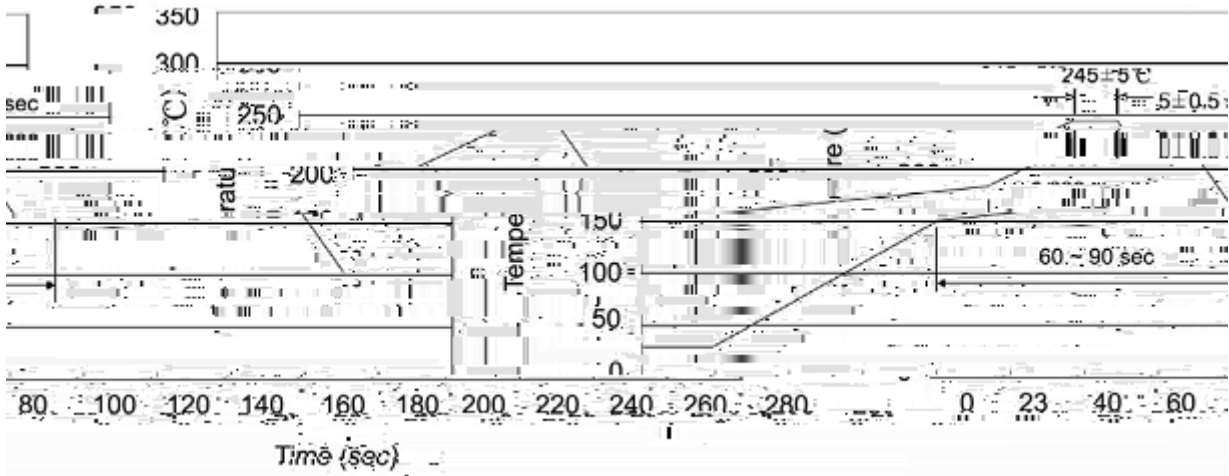
3

Note:

US3A Product Type Code

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

() /



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. | |

/ Resistance to Soldering Heat Test Conditions

260±5 ±