

Rev.B May.-2019

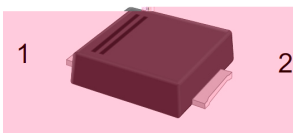
50V ~ 600V 5.0A SMBF

Surface Mount Ultrafast Recovery Rectifier, Reverse Voltage: 50 to 600V, Forward Current: 5.0A, SMBF package.

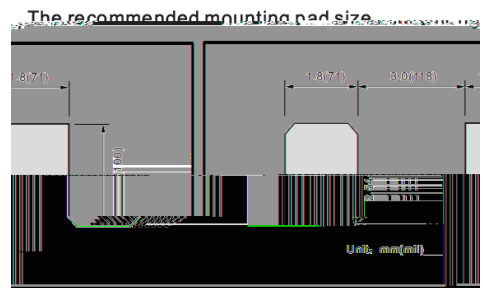
RoHS 2011/65/EU

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

General purpose.



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



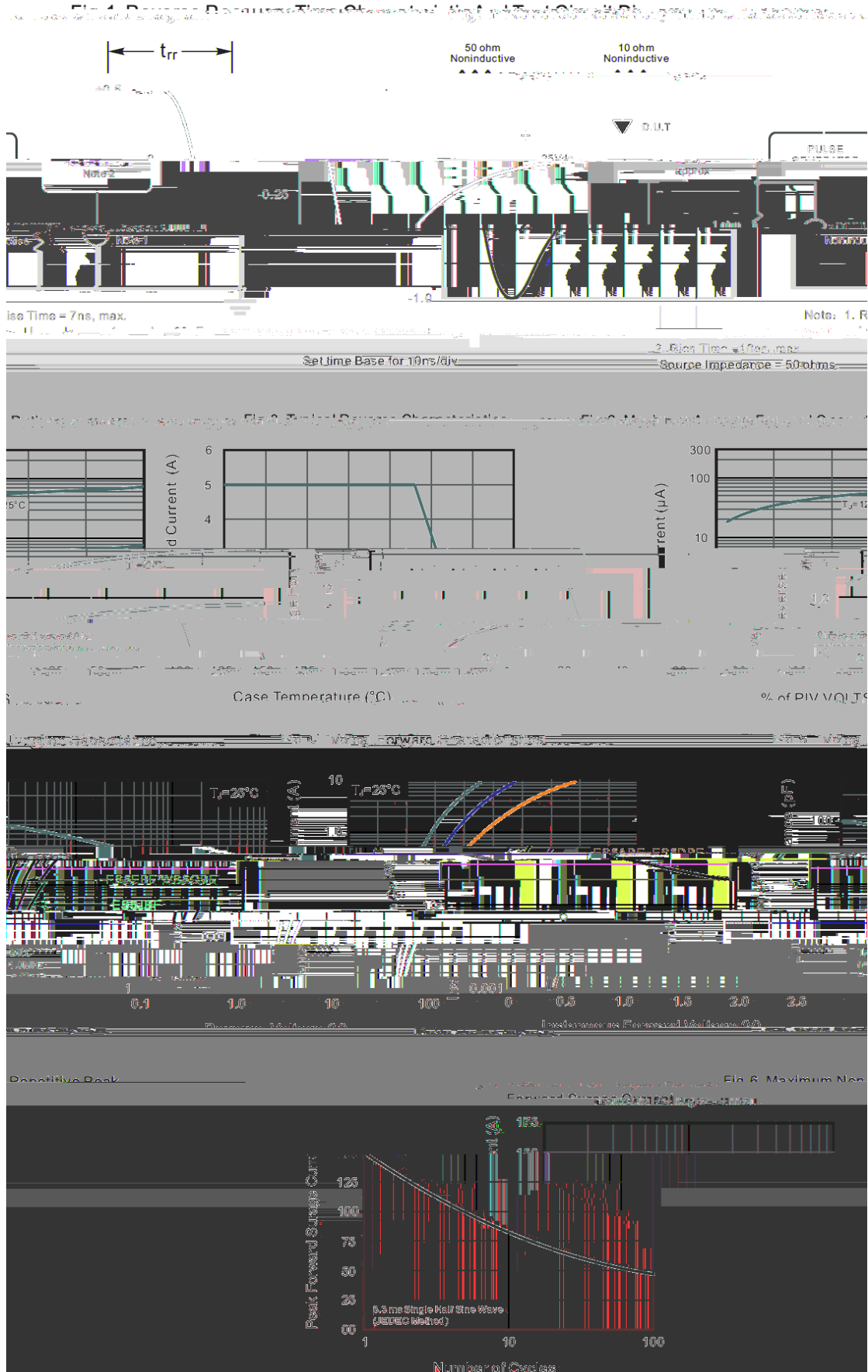
See Marking Instructions.

| Parameter | Symbol | Rating | Maximum DC Unit |
|-----------|--------|--------|-----------------|
|-----------|--------|--------|-----------------|

Note:

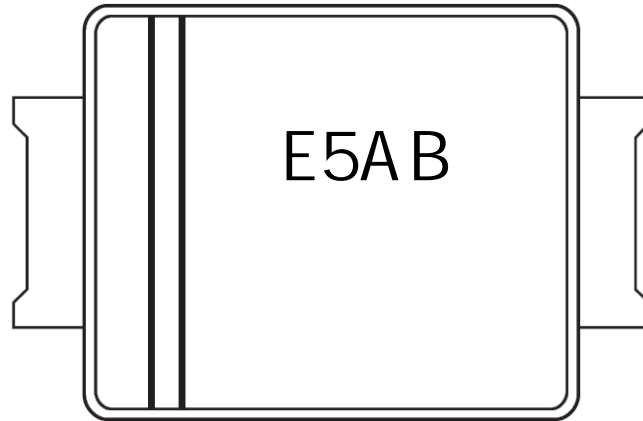
(1) P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas .

| Parameter | Symbol | Test condition | Rating | | | | | | Unit |
|---|----------|--|--------|--------|--------|--------|--------|--------|------|
| | | | ES5ABF | ES5BBF | ES5CBF | ES5DBF | ES5EBF | ES5GBF | |
| Maximum Instantaneous Forward Voltage | V_F | $I_F=5.0A$ | 1.0 | | | 1.25 | | 1.7 | V |
| Maximum DC Reverse Current at Rated DC Blocking Voltage | I_R | $T_a=25$ | 10.0 | | | | | | uA |
| | | $T_a=125$ | 100 | | | | | | |
| Maximum Reverse Recovery Time | T_{rr} | $I_F=0.5A$ $I_R=1.0A$ $I_{rr}=0.25A$ | 35 | | | | | | ns |



Marking

| Type number | Marking code |
|-------------|--------------|
| E5BB | ES5BBF |
| E5CB | ES5CBF |
| E5EB | ES5EBF |
| E5GB | ES5GBF |
| E5JB | ES5JBF |



E5AB

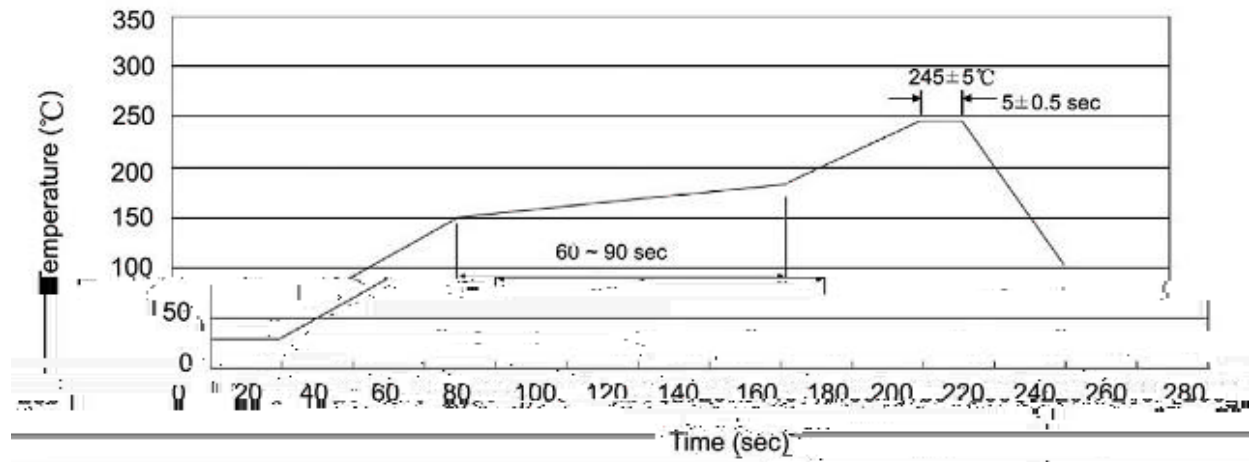
1 *

3 *

Note:

E5AB 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 | 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. |