

5 é / Descriptions

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Surface Mount Fast Recovery Rectifiers, Reverse Voltage y 1000V, Forward Current:3.0A ,SMAF thin package.

α a / Features

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Glass Passivated Chip Junction, Fast reverse recovery time, Lead free in comply with EU RoHS 2011/65/EU directives, For surface mounted applications. Halogen free product.

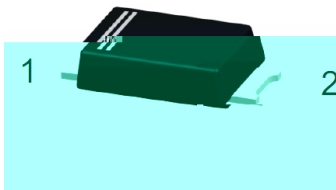
Đ ÷ / Applications

%² " (General purpose.

Ã W] Ô . / Equivalent Circuit

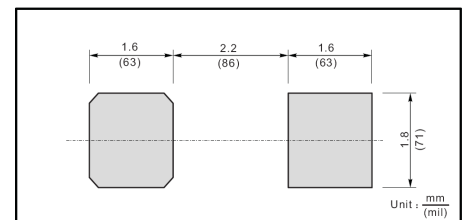


• Ů - æ / Pinning



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

The recommended mounting pad size



, M V / Marking

• - ~ a ø ož See Marking Instructions.

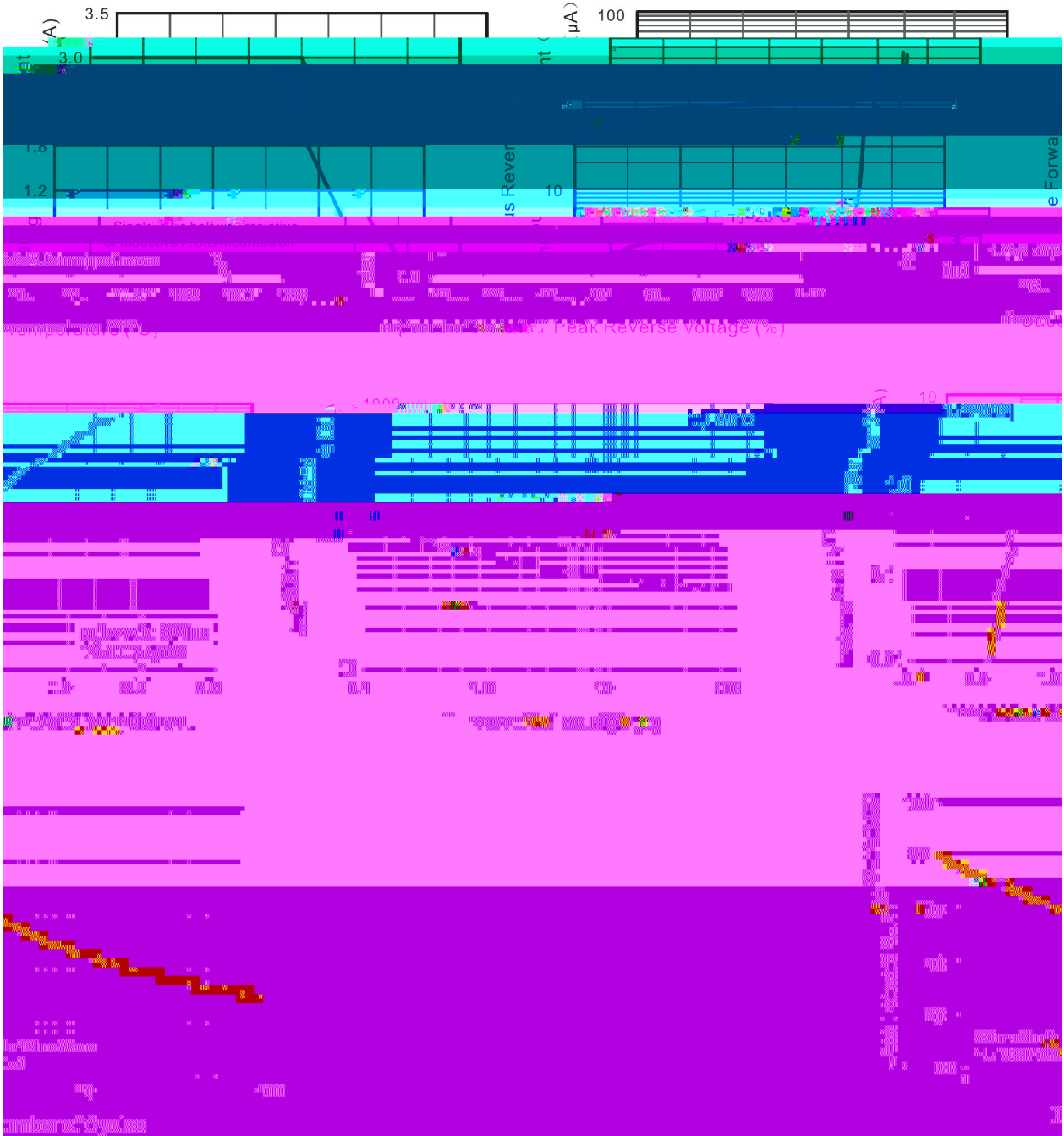
| @ f Parameter | ... Z Symbol | f › Rating | % y Unit |
|---|-----------------------------------|---------------|-------------|
| Maximum Repetitive Peak Reverse Voltage | V _{RRM} | 1000 | V |
| Maximum RMS voltage | V _{RMS} | 700 | V |
| Maximum DC Blocking Voltage | V _{DC} | 1000 | V |
| Maximum Average Forward Rectified Current at Tc = 100 | I _{F AAV A} | 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 at ^{1A} | C _j | 60 | pF |
| Typical Thermal Resistance ^{2A} | R _{JA} | 50 | /W |
| Operating and Storage Temperature Range | T _j , T _{stg} | -55~+150 | |

Note:

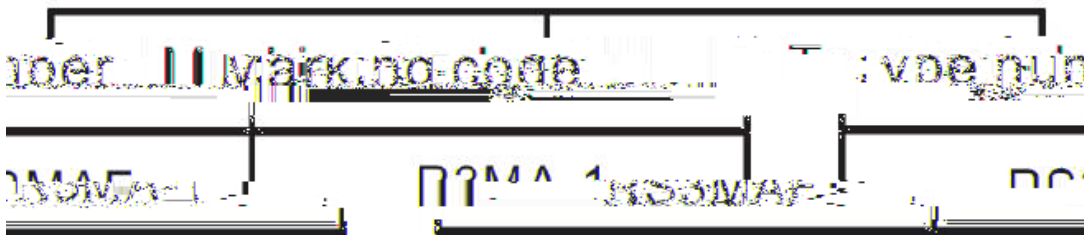
- 1) Measured at 1MHz and applied reverse voltage of 4V D.C.
- 2) P.C.B. mounted with 1.0 X 1.0" (2.54 X 2.54 cm) copper pad areas.

| @ f Parameter | ... Z Symbol | y j Ú ^ Test Conditions | D Rating | % y Unit |
|---|-----------------|----------------------------|-------------|-------------|
| Maximum Instantaneous Forward Voltage | V _F | I _F =3.0A | 1.3 | V |
| Maximum DC Reverse Current at Rated DC Blocking Voltage | I _R | T _a =25 | | |

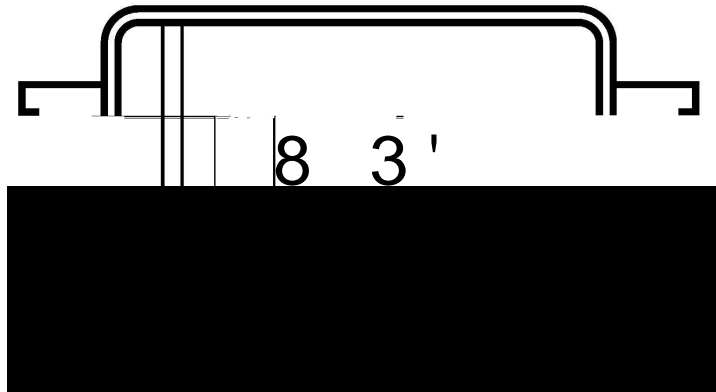
Electrical Characteristic Curve



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v ã W A k e µ

ϕ ã 4 Z W A

Note:

8 3' y

Product Type Code

**** y

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

Lot No Code

