

JEER2006FPCT EPI SUPERFAST SOFT RECOVERY RECTIFIER

Rev.1.5

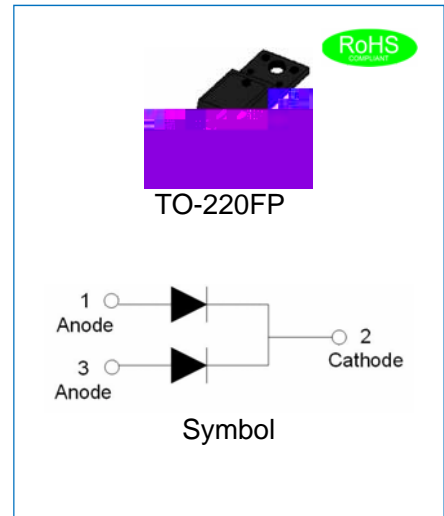
DESCRIPTION

- ✧ Plastic package has underwriters laboratory flammability classification 94V-0
- ✧ Lead free in comply with EU RoHS 2011/65/EU directives
- ✧ Low reverse leakage current
- ✧ Superfast recovery time and soft recovery characteristics
- ✧ Low recovery loss

MECHANICAL DATA

- ✧ Case: TO-220FP molded plastic over passivated junction
- ✧ Terminals: Solder plated, solderable per J-STD-002

Maximum Repetitive peak reverse voltage V



| | | | |
|---|----------------|-------------|---|
| | RRM | 600 | V |
| Maximum DC blocking voltage | V_{DC} | 600 | V |
| Maximum average forward current at $T_C=100$ | $I_{F(AV)}$ | 20 | A |
| Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load(per diode) | I_{FSM} | 150 | A |
| Peak forward surge current: 10ms single half sine-wave superimposed on rated load(per diode) | | 120 | |
| Junction temperature and storage temperature range | T_j, T_{stg} | -55 to +150 | |

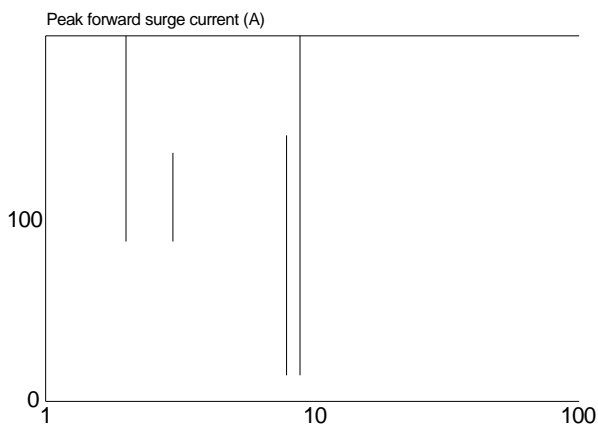
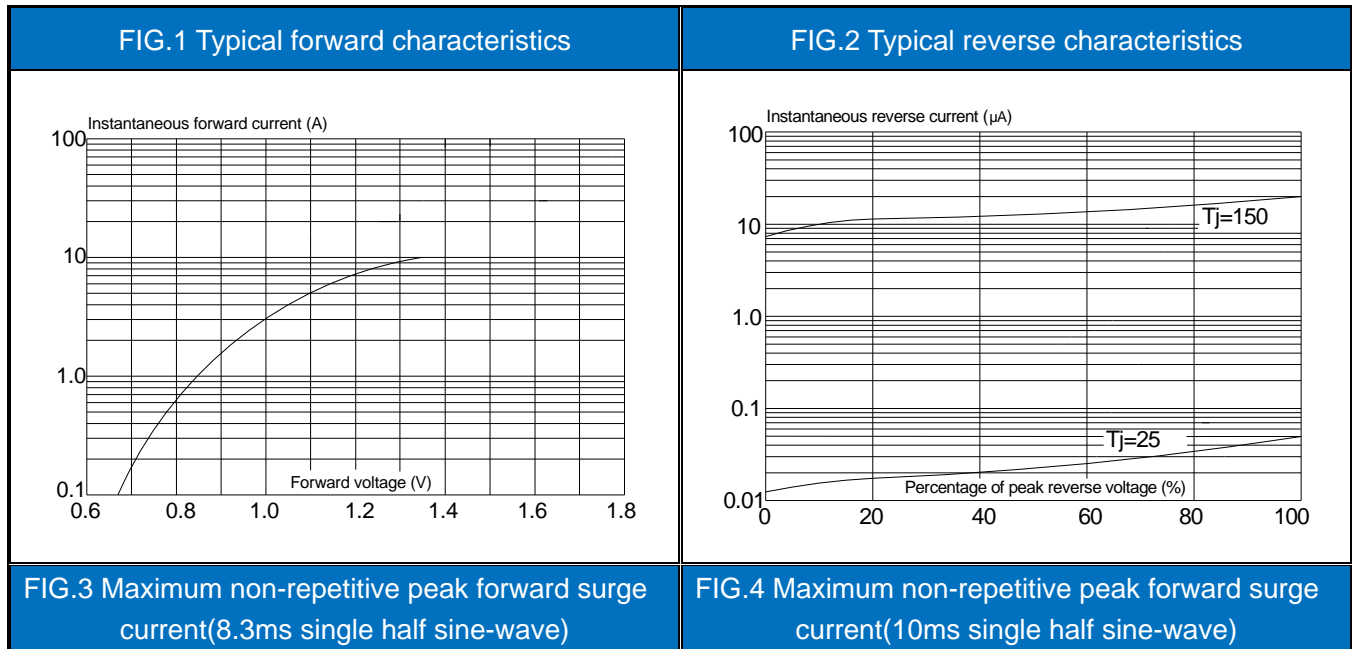
| | | | | | Max. | Unit |
|-----------------|-----------------------|---|---|----|------|------|
| $V_{isol(RMS)}$ | RMS isolation voltage | 50Hz f 60Hz;RH 65%;from all pins to external heatsink; sinusoidal waveform; clean and dust free | - | - | 2500 | V |
| C_{isol} | Isolation capacitance | from cathode to external heatsink | - | 10 | - | pF |

ELECTRICAL CHARACTERISTICS(Rating at 25 case temperature unless otherwise specified.)

| Parameter | Symbol | Min. | Typ. | Max. | Unit |
|-----------|--------|------|------|------|------|
|-----------|--------|------|------|------|------|

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CHARACTERISTICS CURVE




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