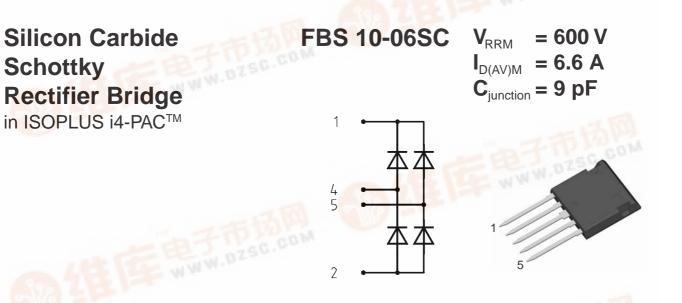
查询FBS10-06SC供应商

捷多邦,专业PCB打样工厂,24小时加急出货

Advanced Technical Information



Rectifier Bridge

| Symbol | Conditions | Maximum Ra | Maximum Ratings | | |
|---------------------|--|------------------|-----------------|---|--|
| V _{RRM} | | | 600 | V | |
| I _{FAV} | 0 | 180° (per diode) | 3 | А | |
| I _{D(AV)M} | $T_c = 90^{\circ}C$ | | 6.6 | A | |
| I _{FSM} | $T_{vJ} = 25^{\circ}C; t = 10 \text{ ms}; \text{ sine } 50 \text{ Hz}$ | | 12 | A | |
| P _{tot} | T _c = 25°C | (per diode) | 19 | W | |

| Symbol | Conditions | | Characteristic Values ($T_{vJ} = 25^{\circ}C$, unless otherwise specified) min. typ. max. | | | | |
|--|-------------------------|---|---|------------|------------|--|--|
| V _F | I _F = 4 A; | $T_{VJ} = 25^{\circ}C$ $T_{VJ} = 125^{\circ}C$ | | 1.7 1.9 | 2.0 | | |
| I _R | $V_{R} = V_{RRM};$ | T _{vJ} = 25°C T _{vJ} = 125°C | 5 topa | 0.04 | 0.2 m m | | |
| C | V _R = 400 V; | T _{vJ} = 125°C | 120 | 9 | p | | |
| R _{thJC} R _{thJS} | (per diode) | | | 11.5 | 8 K/ K/ | | |

Features

- Silicon Carbide Schottky Diodes
 no reverse recovery at turn off only charge of junction capacity - soft turn off waveform
- no forward recovery at turn on
- switching behaviour independent of temperature
- low leakage current
- ISOPLUS i4-PAC(TM) package
- isolated back surface
- low coupling capacity between pins and heatsink
- enlarged creepage towards heatsink
- application friendly pinout
- high reliability
- industry standard outline

Applications

- output rectifiers of high end switched
- mode power supplies
- other high frequency rectifiers

Data according to IEC 60747 and refer to a single diode unless otherwise stated.

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Weight

FBS 10-06SC

| Component | | | | | | | |
|--|---|---|--------------|----------|--|--|--|
| Symbol | Conditions | Maximum Ratings | | | | | |
| T _{vj} T _{stg} | | - | 5+17 5+12 | | | | |
| V _{ISOL} | $I_{\rm ISOL} \leq$ 1 mA; 50/60 Hz | 2500 | | 0 V~ | | | |
| F _c | mounting force with clip | | 20120 | | | | |
| Symbol | Conditions | Characteristic Values min. typ. max. | | | | | |
| C _p | coupling capacity between shorted pins and mounting tab in the case | | 40 | pF | | | |
| d _s ,d _A d _s ,d _A | pin - pin pin - backside metal | 1.7 5.5 | | mm mm | | | |

9

g

