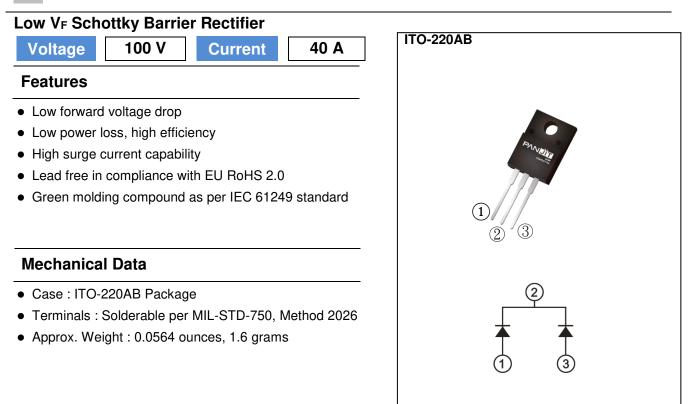


STR40100LFCT



Maximum Ratings and Thermal Characteristics ($T_A = 25$ °C unless otherwise noted)

| PARAMETER | SYMBOL | LIMIT | UNITS | | |
|---|------------|------------------|---------|---------------|--|
| Maximum Repetitive Peak Reverse Voltage | | VRRM | 100 | V | |
| Maximum RMS Voltage | | VRMS | 70 | V | |
| Maximum DC Blocking Voltage | | V _{DC} | 100 | V | |
| Maximum Average Forward Current | per device | | 40 | | |
| | per diode | lf(AV) | 20 | A | |
| Peak Forward Surge Current : 8.3 ms Single Half Sine- | | | 010 | | |
| Wave Superimposed On Rated Load Per Diode | | IFSM | 210 | A | |
| Typical Junction Capacitance | | | 1 400 | | |
| Measured at 1 MHZ And Applied $V_{B} = 4 V$ | | CJ | 1400 | pF | |
| Typical Thermal Resistance ^(Note 1) | | Rejc | 4 | 2 0 MU | |
| | | R _{θJL} | 4 | °C/W | |
| Operating Junction Temperature Range | | TJ | -55~150 | ٥C | |
| Storage Temperature Range | | T _{STG} | -55~150 | ٥C | |



Electrical Characteristics (T_A = 25 °C unless otherwise noted)

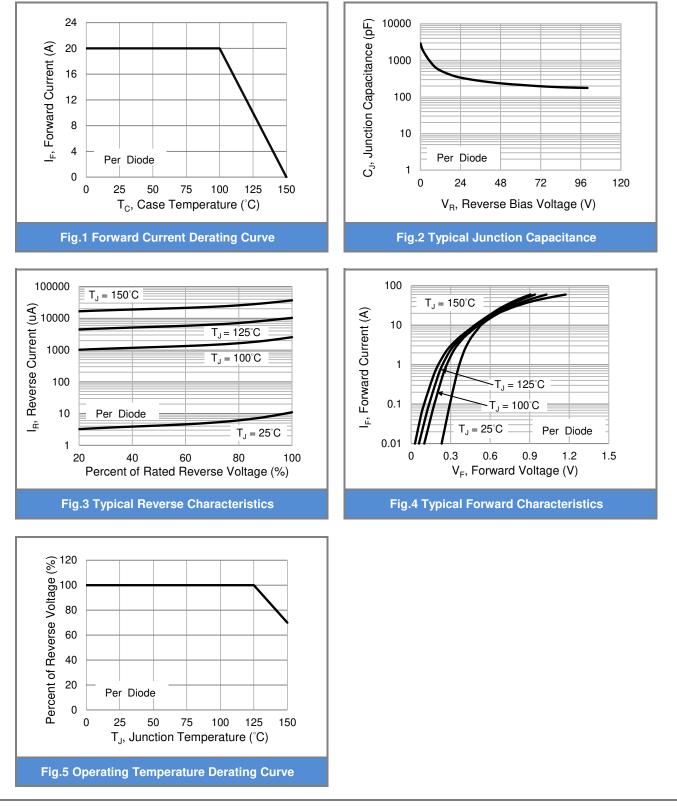
| PARAMETER | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNITS |
|---|--------|--|------|------|------|-------|
| Forward Voltage Per Diode | VF | I _F = 1 A, T _J = 25 °C | - | 0.37 | - | V |
| | | IF = 10 A, TJ = 25 °C | - | 0.53 | - | |
| | | IF = 20 A, TJ = 25 °C | - | - | 0.72 | |
| | | I _F = 1 A, T _J = 125 °C | - | 0.24 | - | |
| | | I _F = 10 A, T _J = 125 °C | - | 0.5 | - | |
| | | I _F = 20 A, T _J = 125 °C | - | 0.64 | - | |
| Reverse Current Per Diode ^(Note 2) | IR | V _R = 80 V, T _J = 25 °C | - | 7 | - | uA |
| | | V _R = 100 V, T _J = 25 °C | - | - | 100 | |
| | | V _R = 100V,T _J = 125 °C | - | 11 | - | mA |

NOTES :

- 1. Device mounted on a infinite heatsink.
- 2. Short duration pulse test used to minimize self-heating effect.







STR40100LFCT

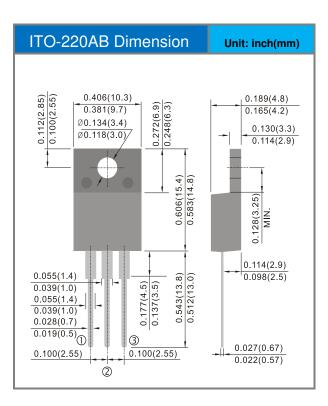
TYPICAL CHARACTERISTIC CURVES

CONDUCTOR



| Part No. Packing Code | Package Type | Packing Type | Marking | Version |
|-----------------------|--------------|--------------|--------------|--------------------------------|
| STR40100LFCT_T0_00001 | ITO-220AB | 50pcs / Tube | STR40100LFCT | Halogen free RoHS compliant |

Packaging Information





STR40100LFCT

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