

<u>TS906C3R</u>

FUJI Diode

Low-Loss Fast Recovery Diode

Maximum Rating and Characteristics

• Maximum ratings (at Ta=25°C unless otherwise specified.)

| Item | Symbols | Conditions | Ratings | Units |
|----------------------------------------|---------|------------------------------------------|-------------|-------|
| Repetitive peak reverse voltage | Vrrm | - | 300 | V |
| Average output current | lo | 50Hz Square wave duty =1/2 Tc = 123°C | 20 * | А |
| Non-repetitive forward surge current** | IFSM | Sine wave, 10ms 1shot | 80 | A |
| Operating junction temperature | Tj | - | 150 | °C |
| Storage temperature | Tstg | - | -40 to +150 | °C |

Note* Out put current of center tap full wave connection.

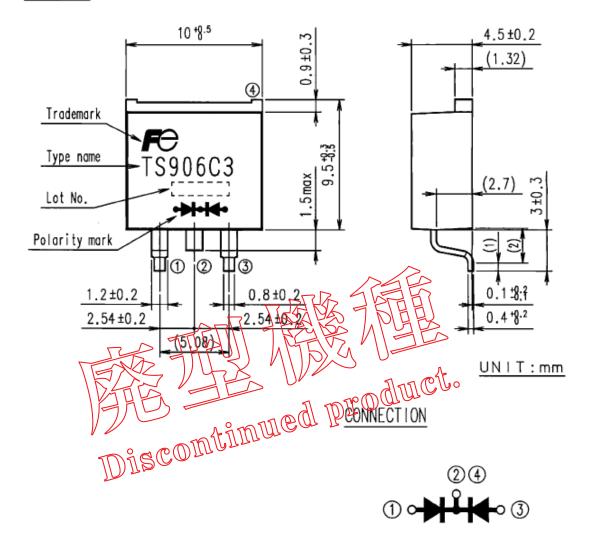
Note** Rating per element

• Electrical characteristics (at Ta=25°C unless otherwise specified.)

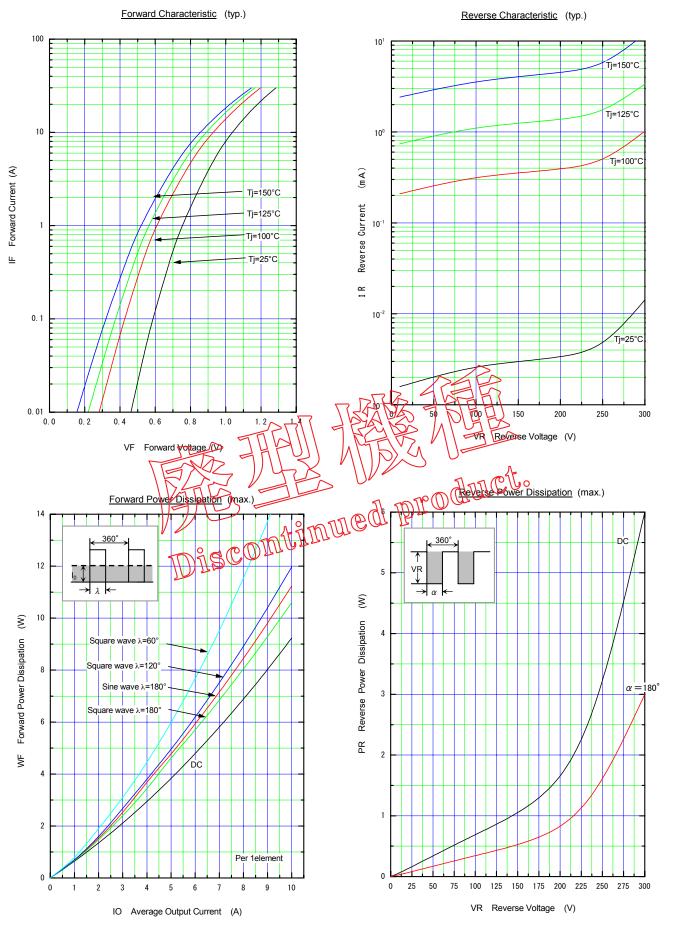
| Item | Symbols | Conditions | Maximum | Units | | |
|----------------------------|---------|----------------------------|---------|-------|--|--|
| Forward voltage*** | VF | IF = 10 A | 1.2 | V | | |
| Reverse current*** | IR | | 200 | μA | | |
| Reverse recovery time*** | L tyrzł | In A, In D.2A, Iner 70.05A | 0.035 | μS | | |
| Thermal resistance | Rthe of | Junction to case | 1.0 | °C/W | | |
| Mechanical characteristics | | | | | | |
| Item | 17 Q(| Conditions | Maximum | Units | | |
| Approximate mass | IN ULC | - | 1.6 | g | | |
| Discolat | | | | | | |

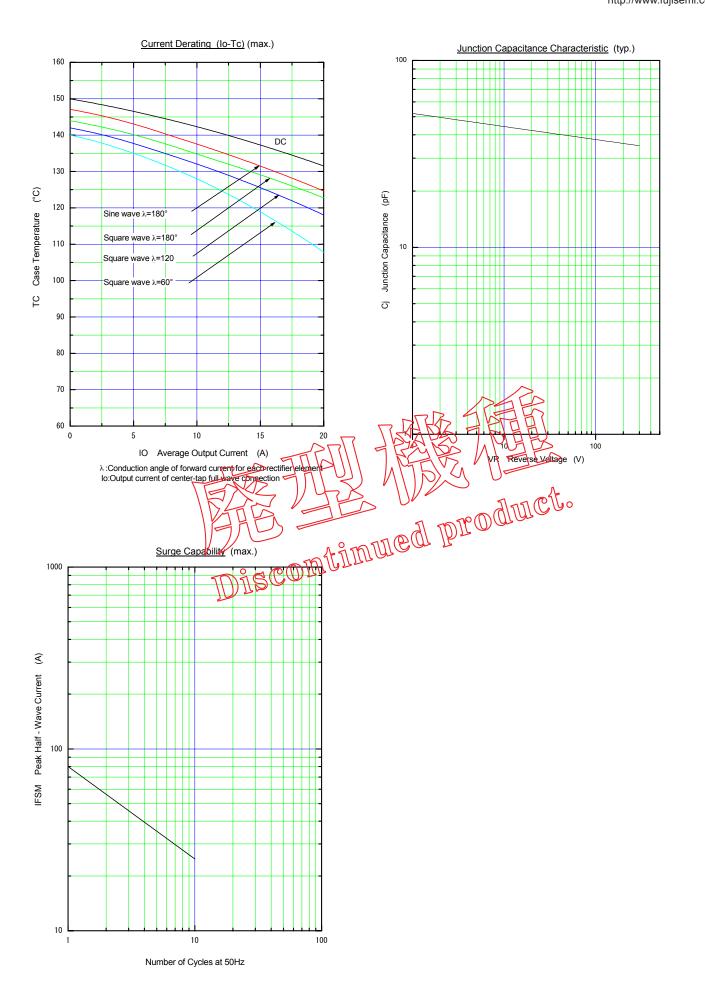
Outline Drawings [mm]

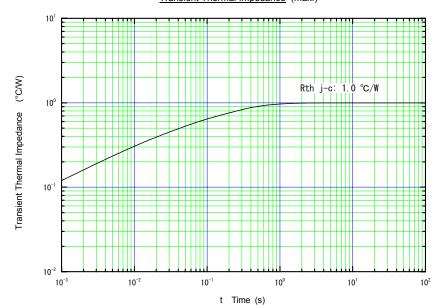
OUT VIEW











Transient Thermal Impedance (max.)



