

TP868C10R

FUJI Diode

Schottky Barrier Diode

Maximum Rating and Characteristics

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

| Item | Symbols | Conditions | Ratings | Units |
|---|---------|---|-------------|-------|
| Repetitive peak reverse voltage | VRRM | - | 100 | V |
| Average output current | lo | 50Hz square wave duty =1/2 Tc =113°C | 30* | A |
| Non-repetitive forward surge current** | IFSM | Sine wave, 10ms 1shot | 160 | А |
| Non-repetitive reverse surge power dissipation | PRM | tw=10µs, Tj=25°C | 750 | W |
| 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 | I⊧ = 15 A | 0.86 | V |
| Reverse current*** | Ir | Vr =Vrrm | 200 | μA |
| Thermal resistance | Rth(j-c) | Junction to case | 1.25 | °C/W |

Note*** Rating per element

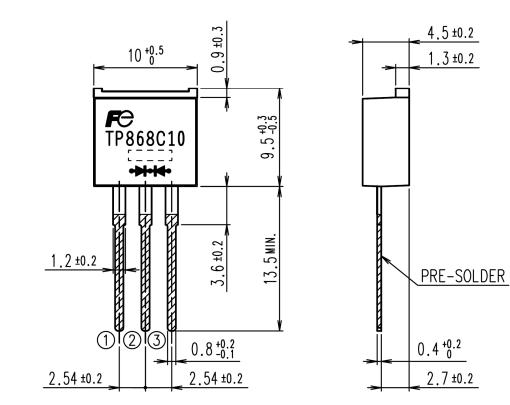
Mechanical characteristics

| Item | Conditions | Maximum | Units |
|------------------|------------|---------|-------|
| Approximate mass | - | 1.6 | g |

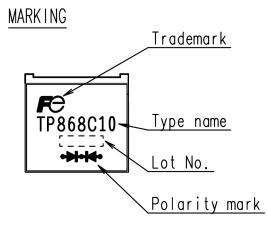
Outline Drawings [mm]



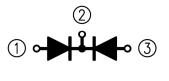
OUT VIEW



DIMENSIONS ARE IN MILLIMETERS.

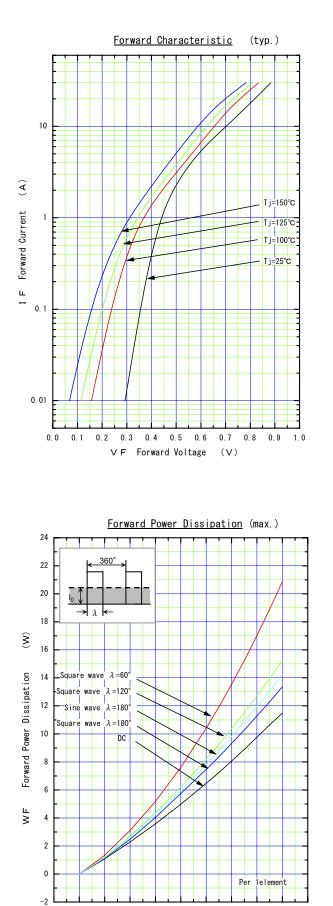


CONNECTION



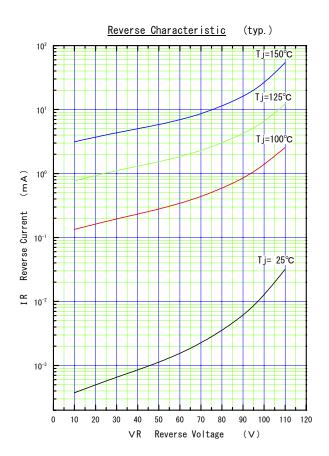
-2 0 2 4 6 8 10 12 14 16 18

Ιo

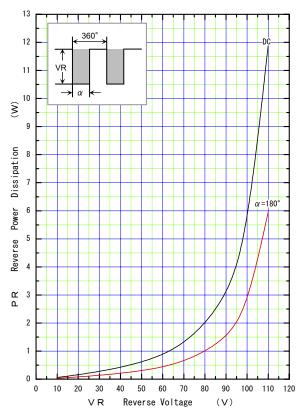


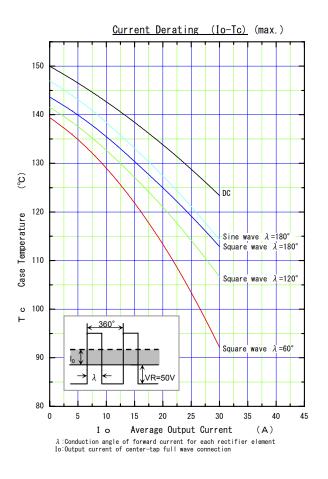
Average Forward Current

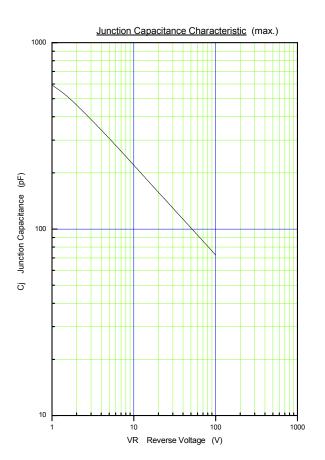
(A)

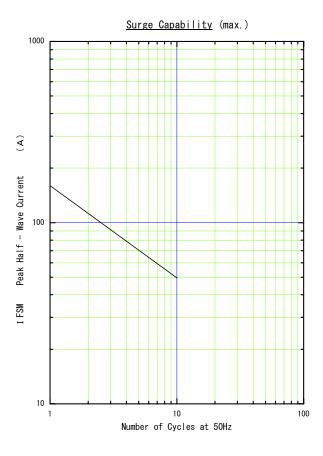


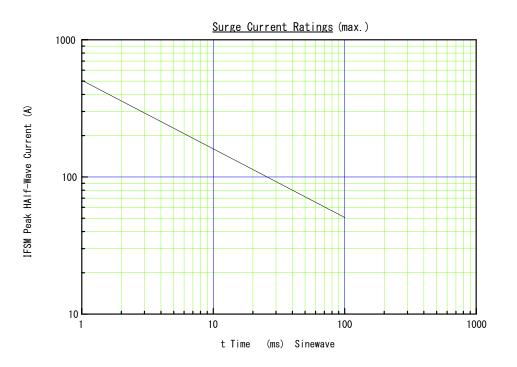


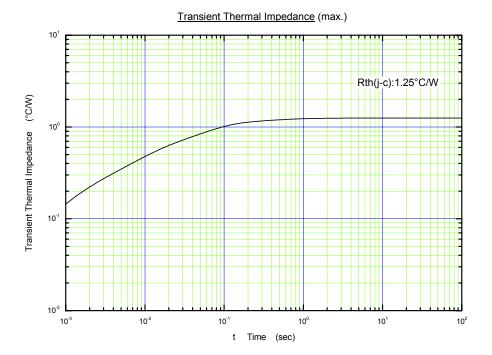












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