

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 | V_{RRM} | - | 100 | V |
| Average output current | I_o | 50Hz square wave duty =1/2 Tc =113°C | 30* | A |
| Non-repetitive forward surge current** | I_{FSM} | Sine wave, 10ms 1shot | 160 | A |
| 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*** | V_F | $I_F = 15\text{ A}$ | 0.86 | V |
| Reverse current*** | I_R | $V_R = V_{RRM}$ | 200 | μA |
| Thermal resistance | Rth(j-c) | Junction to case | 1.25 | °C/W |

Note*** Rating per element

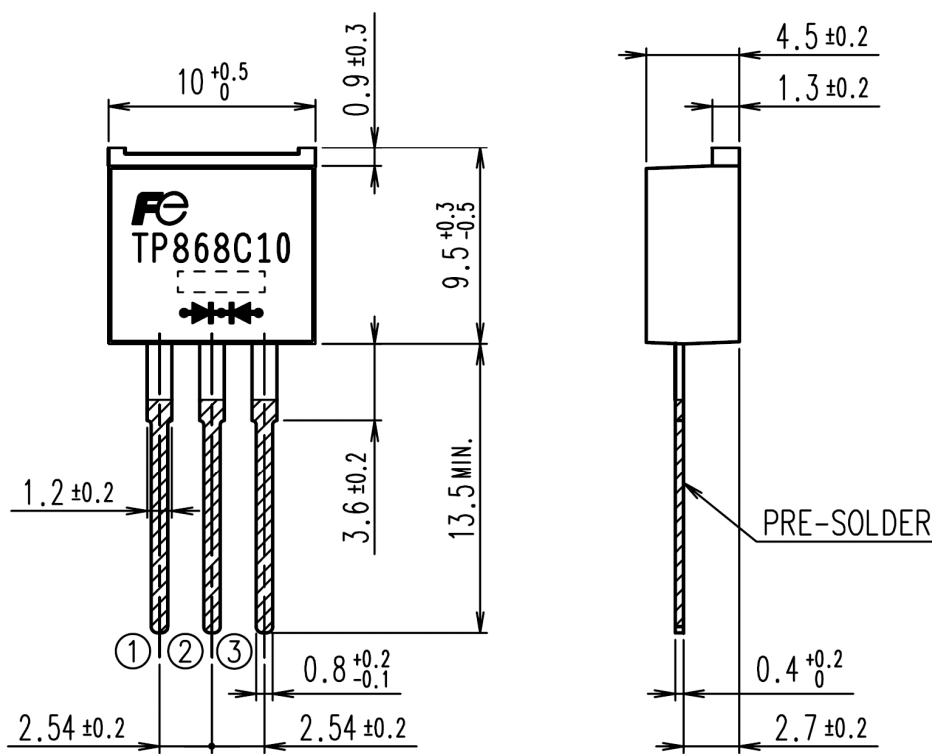
● Mechanical characteristics

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

■ Outline Drawings [mm]

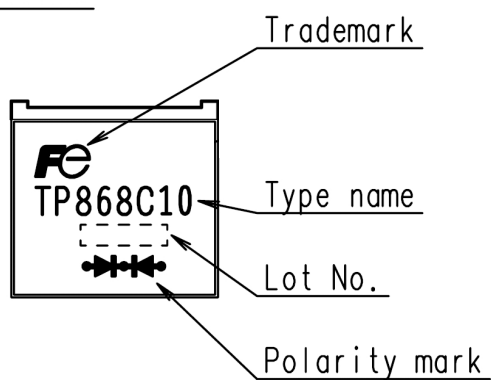
TYPE : TP868C10R

OUT VIEW

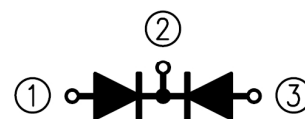


DIMENSIONS ARE IN MILLIMETERS.

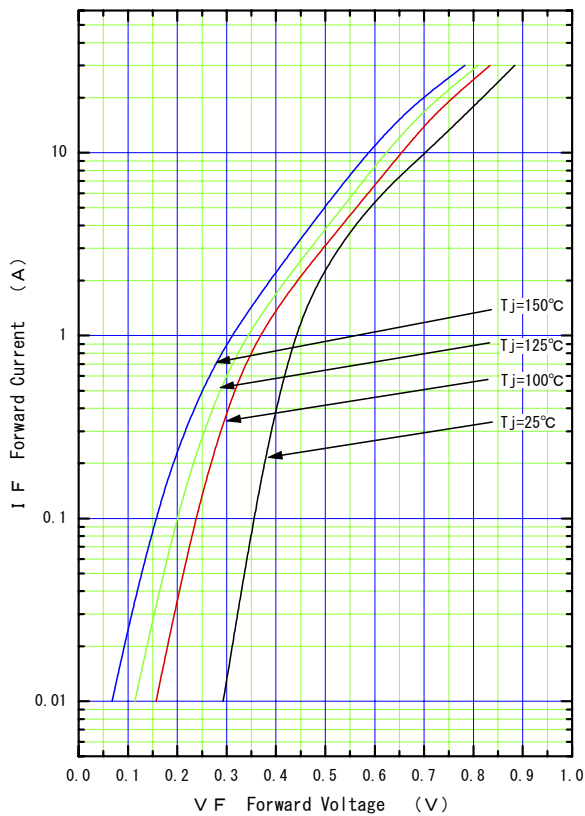
MARKING



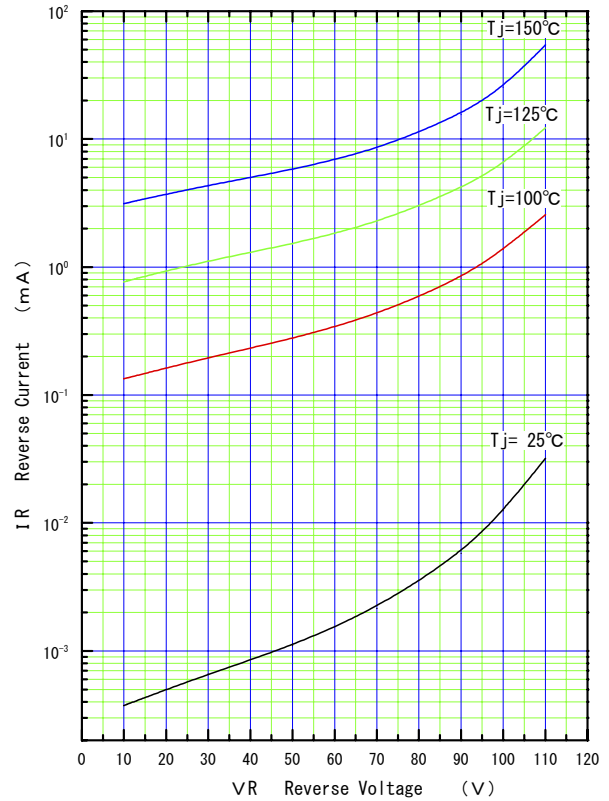
CONNECTION



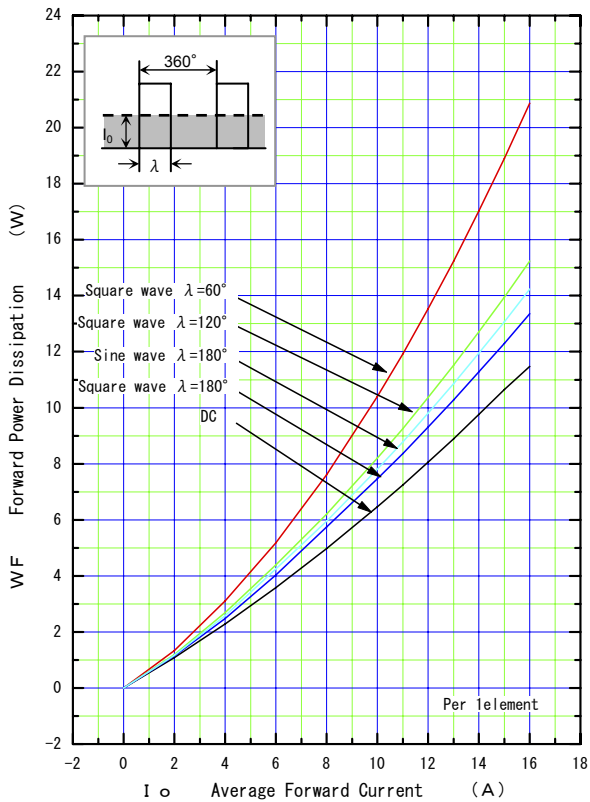
Forward Characteristic (typ.)



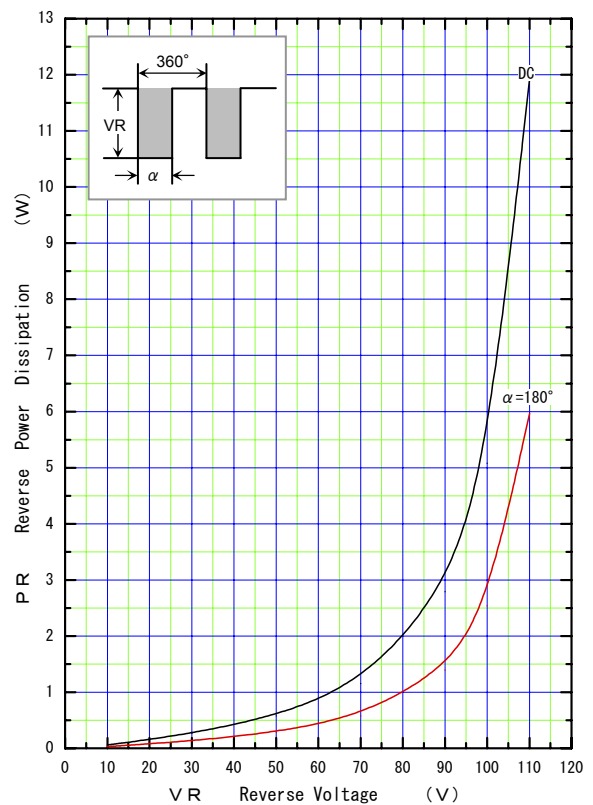
Reverse Characteristic (typ.)

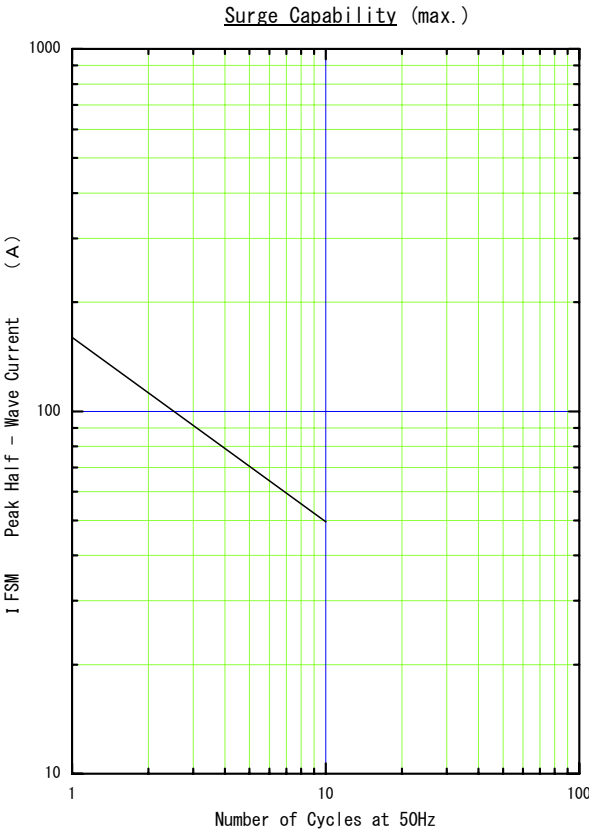
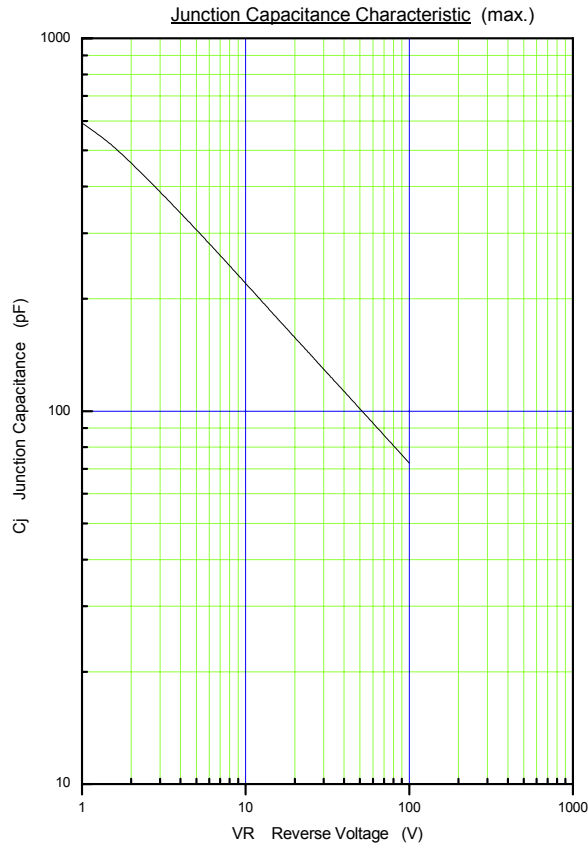
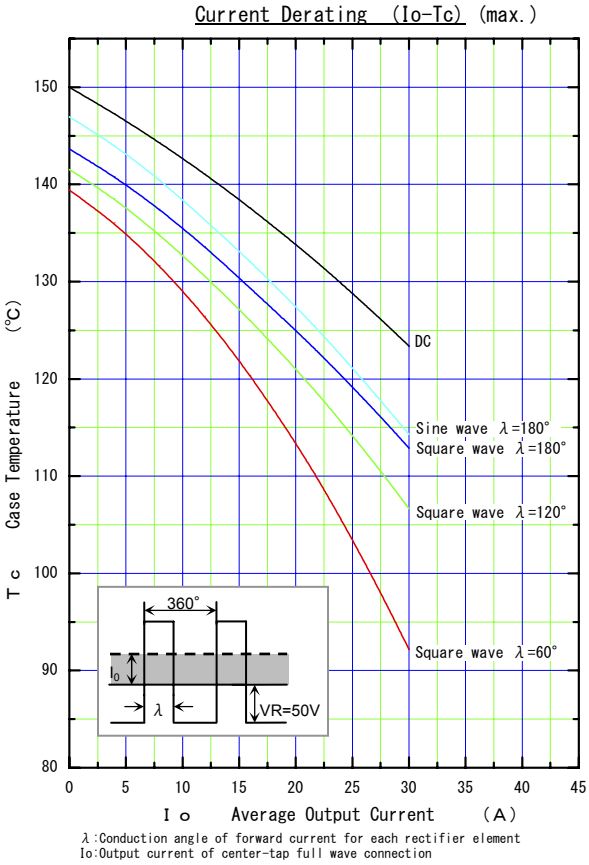


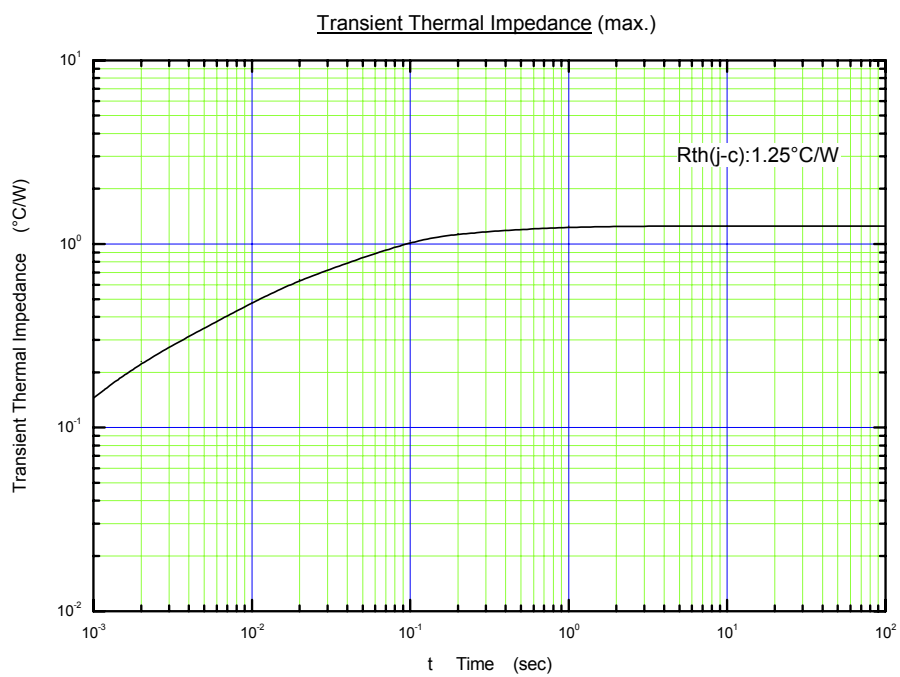
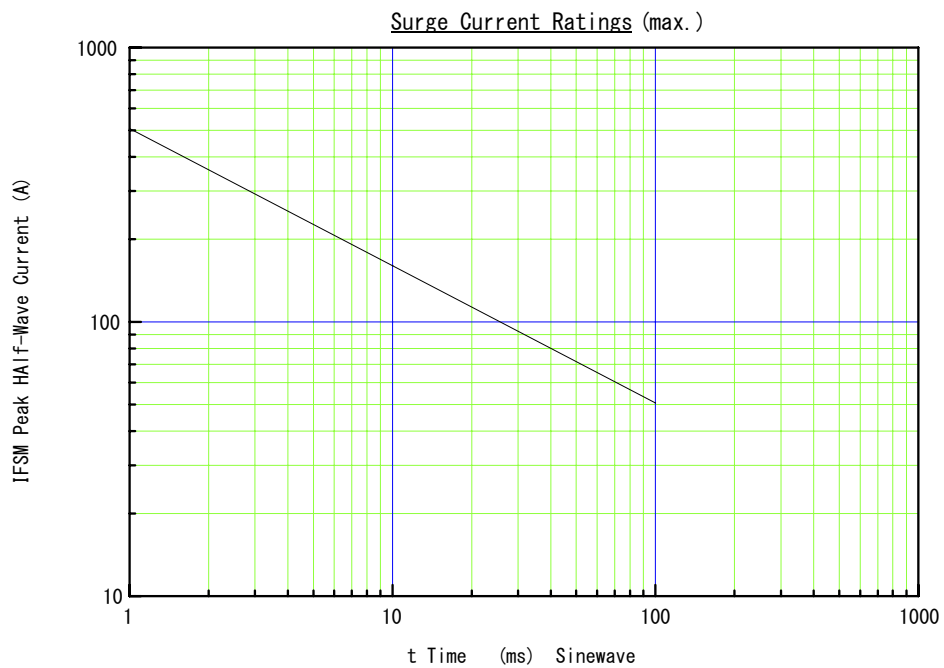
Forward Power Dissipation (max.)



Reverse Power Dissipation (max.)







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