

# MS868C10

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 surge reverse voltage  | $V_{RSM}$ | tw=500ns, duty=1/40                 | 100         | V     |
| Repetitive peak reverse voltage        | $V_{RRM}$ | -                                   | 100         | V     |
| Average output current                 | $I_o$     | Square wave duty =1/2<br>Tc = 114°C | 30*         | A     |
| Non-repetitive forward surge current** | $I_{FSM}$ | Sine wave, 10ms                     | 160         | 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*** | $V_F$         | $I_F = 15\text{ A}$ | 0.86    | V     |
| Reverse current*** | $I_R$         | $V_R = 100\text{V}$ | 200     | μA    |
| Thermal resistance | $R_{th(j-c)}$ | Junction to case    | 1.2     | °C/W  |

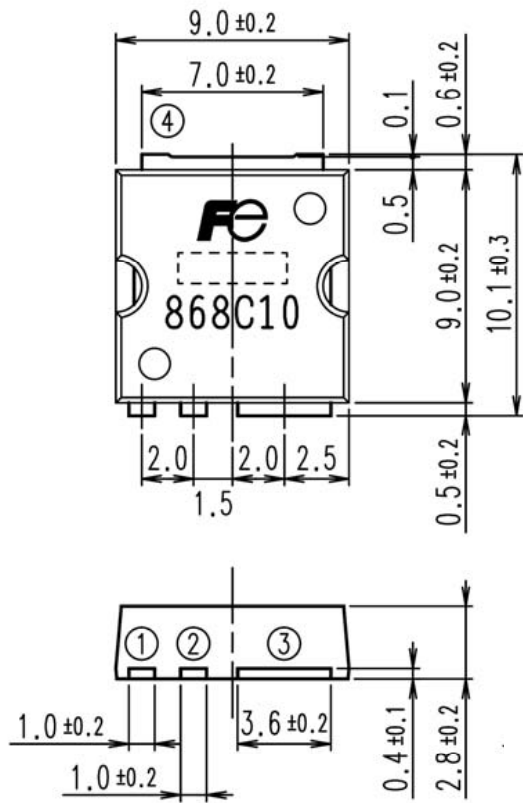
Note\*\*\* Rating per element

#### ● Mechanical characteristics

| Item             | Conditions | Maximum | Units |
|------------------|------------|---------|-------|
| Approximate mass | -          | 0.8     | g     |

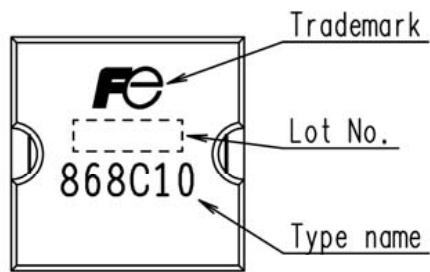
■ Outline Drawings [mm]

OUT VIEW

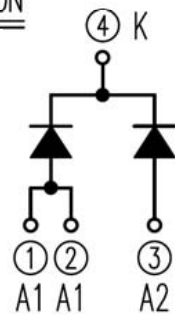


DIMENSIONS ARE IN MILLIMETERS.

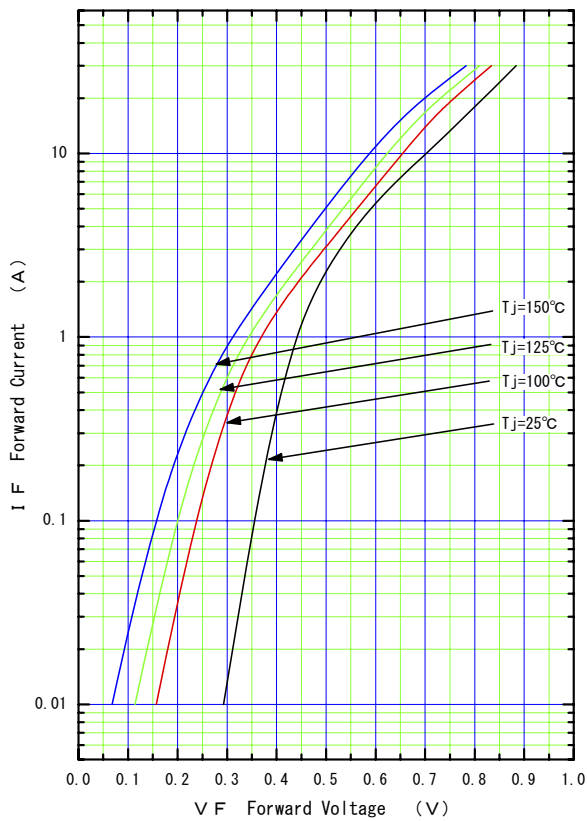
MARKING



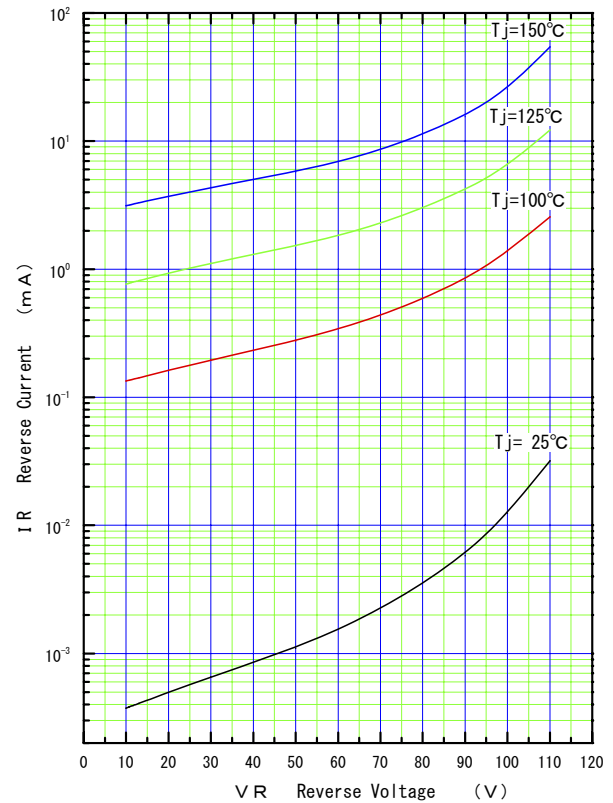
CONNECTION



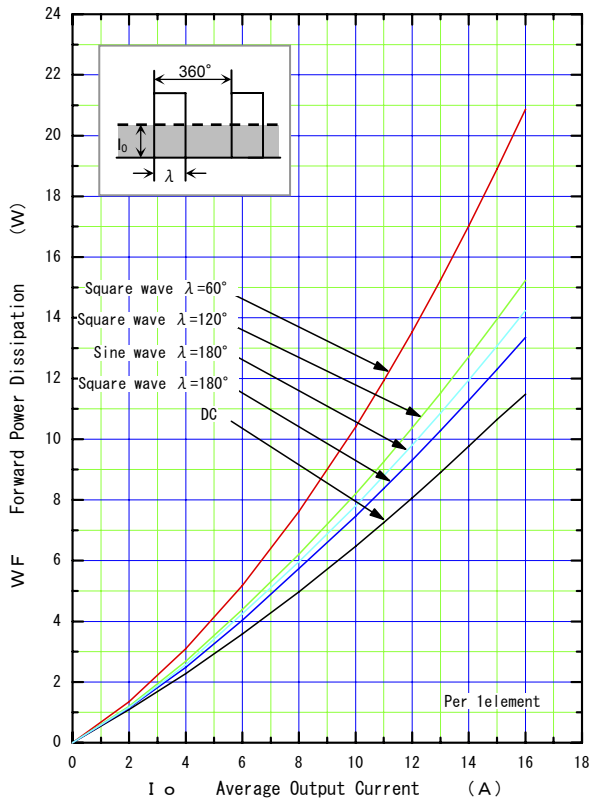
Forward Characteristic (typ.)



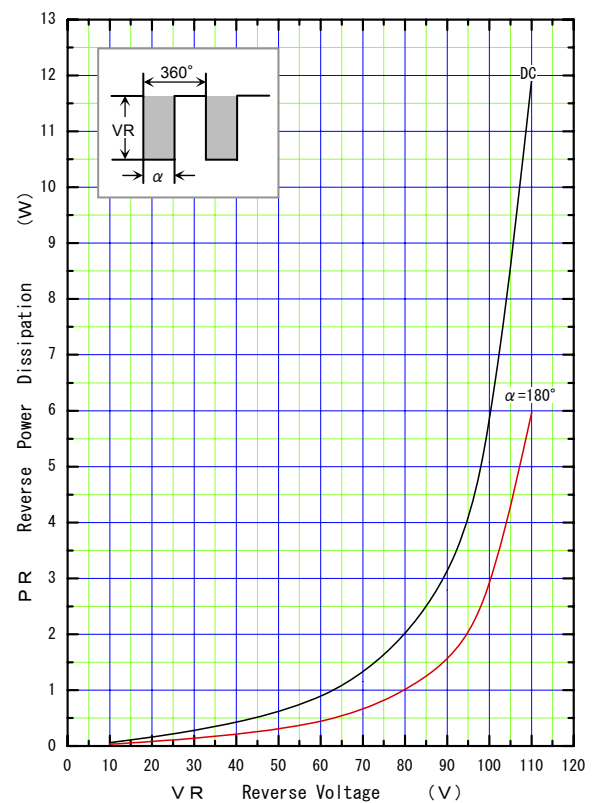
Reverse Characteristic (typ.)

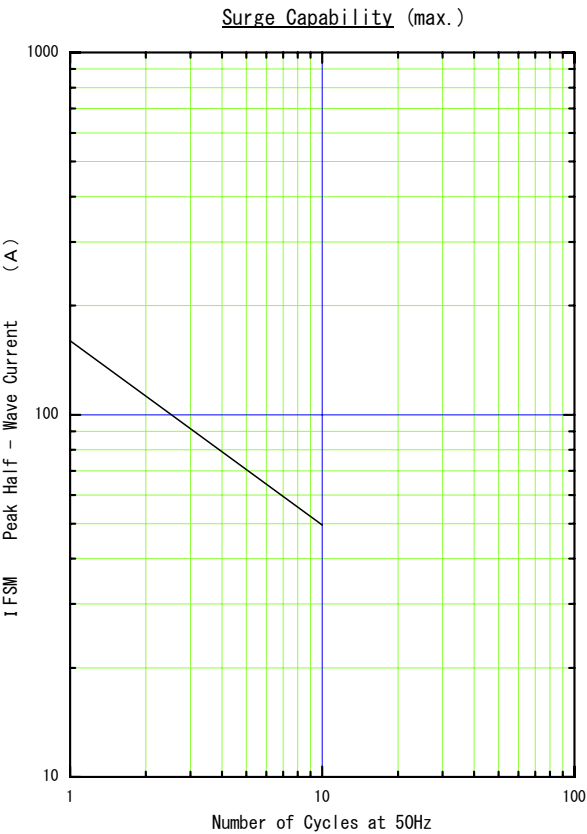
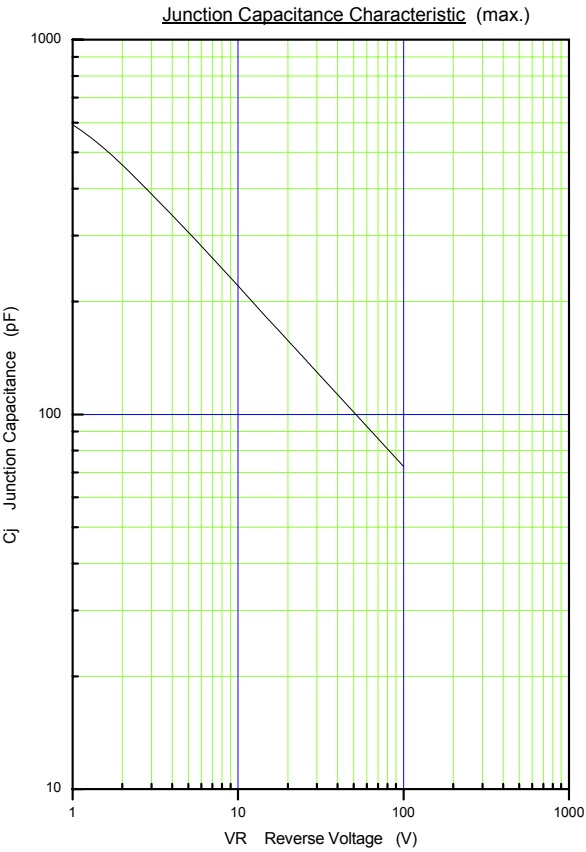
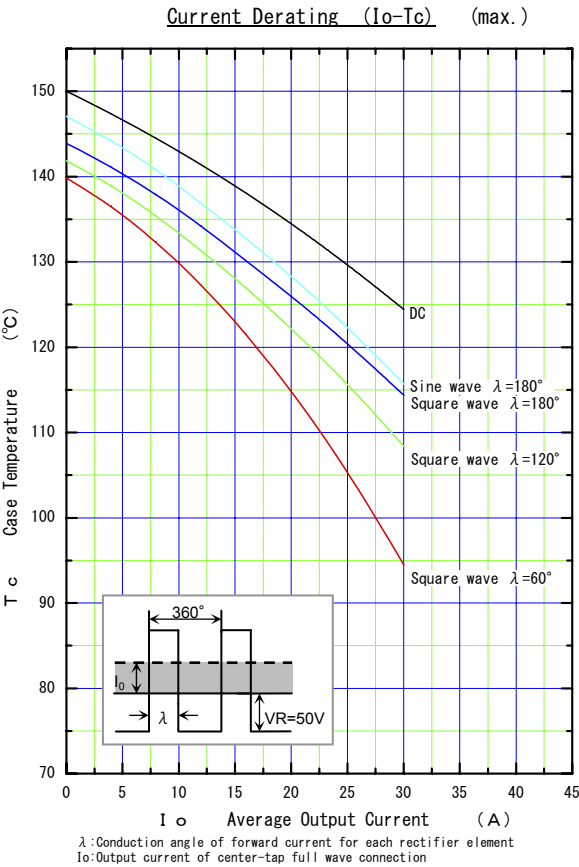


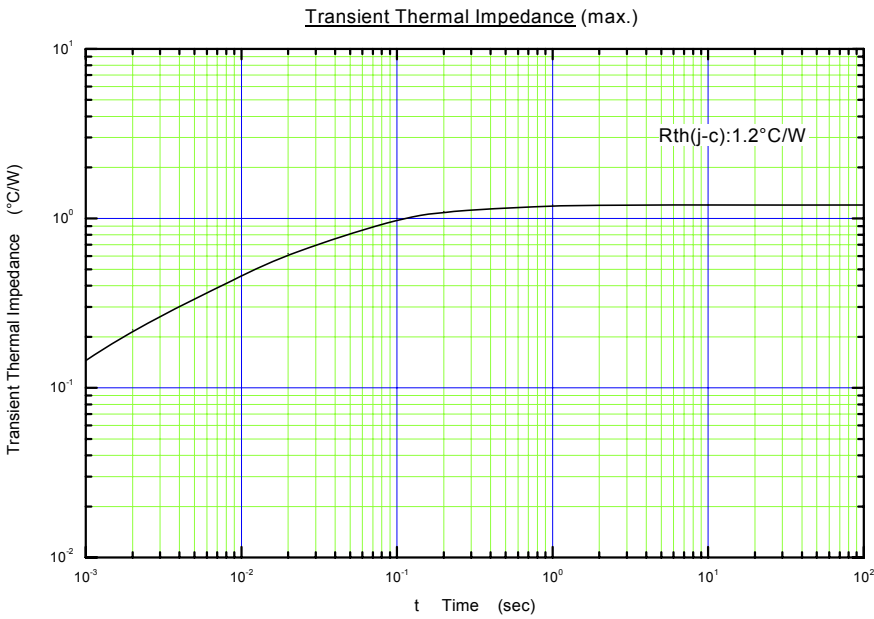
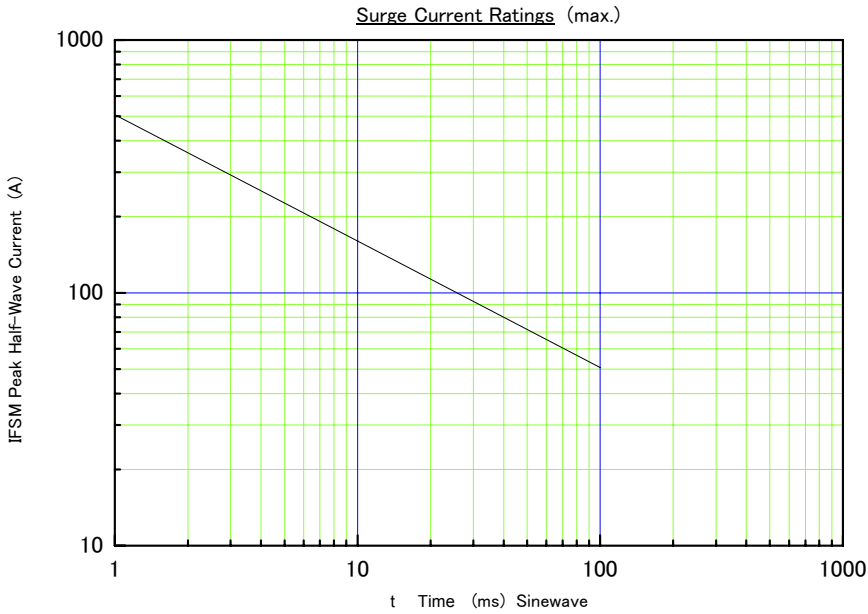
Forward Power Dissipation (max.)



Reverse Power Dissipation (max.)







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