

# YA869C08R

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        | $V_{RRM}$ | -                                       | 80          | V     |
| Average output current                 | $I_o$     | 50Hz Square wave duty =1/2<br>Tc = 98°C | 40*         | A     |
| Non-repetitive forward surge current** | $I_{FSM}$ | Sine wave, 10ms 1shot                   | 190         | 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.)

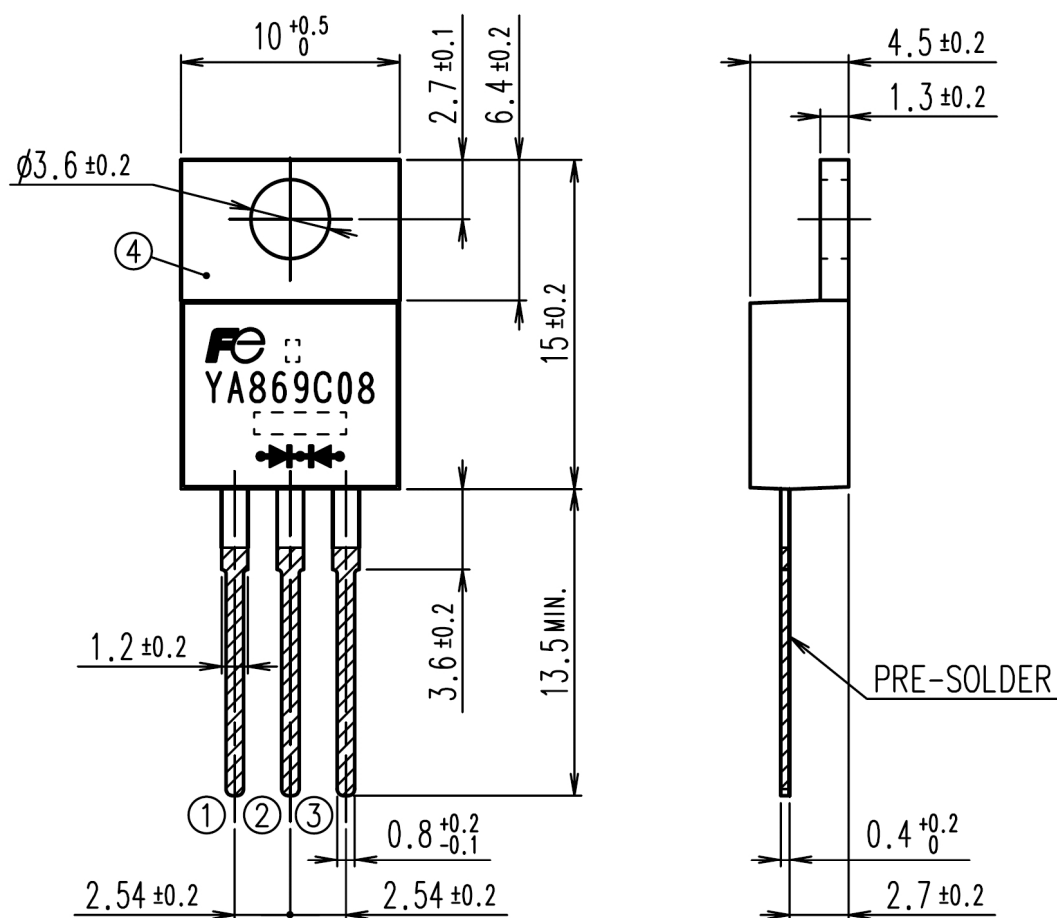
| Item               | Symbols       | Conditions          | Maximum | Units |
|--------------------|---------------|---------------------|---------|-------|
| Forward voltage*** | $V_F$         | $I_F = 20\text{ A}$ | 0.71    | V     |
| Reverse current*** | $I_R$         | $V_R = V_{RRM}$     | 0.20    | mA    |
| Thermal resistance | $R_{th(j-c)}$ | Junction to case    | 1.0     | °C/W  |

Note\*\*\* Rating per element

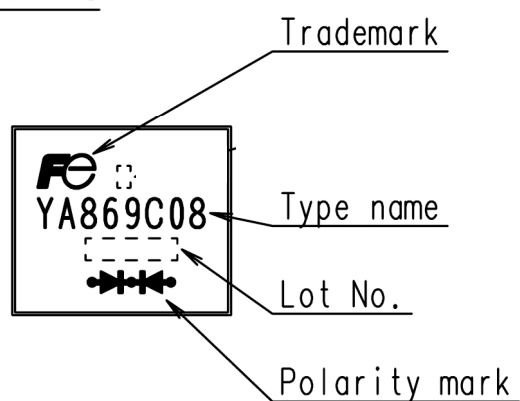
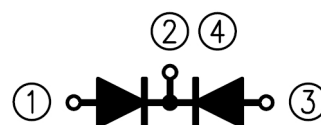
#### ● Mechanical characteristics

| Item             | Conditions         | Maximum    | Units |
|------------------|--------------------|------------|-------|
| Mounting torque  | Recommended torque | 0.3 to 0.5 | N•m   |
| Approximate mass | -                  | 2.0        | g     |

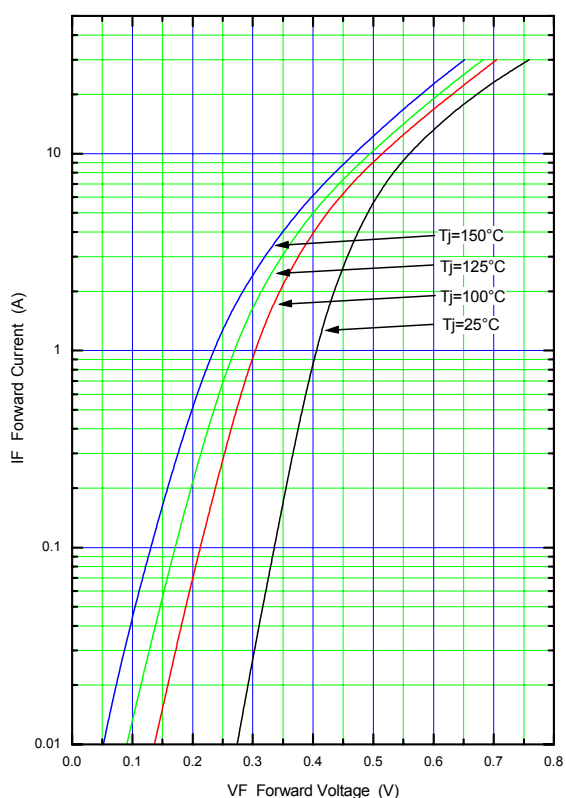
## ■ Outline Drawings [mm]

OUT VIEW

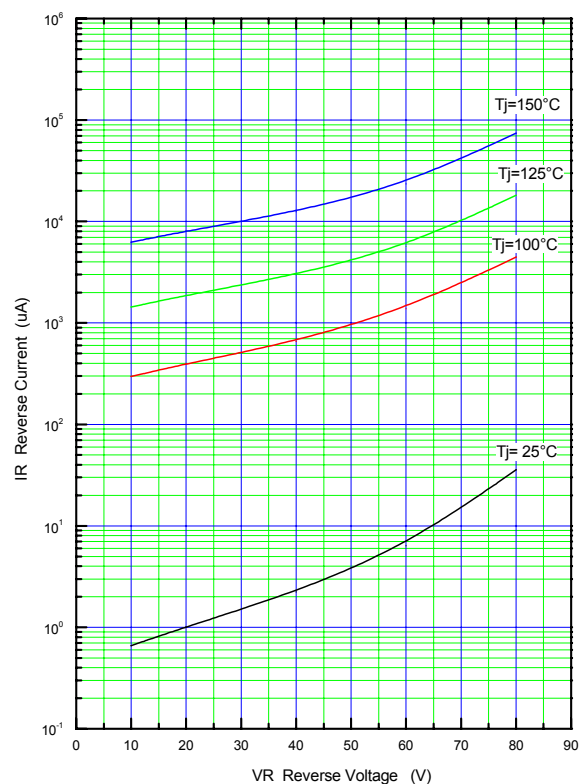
DIMENSIONS ARE IN MILLIMETERS.

MARKINGCONNECTION

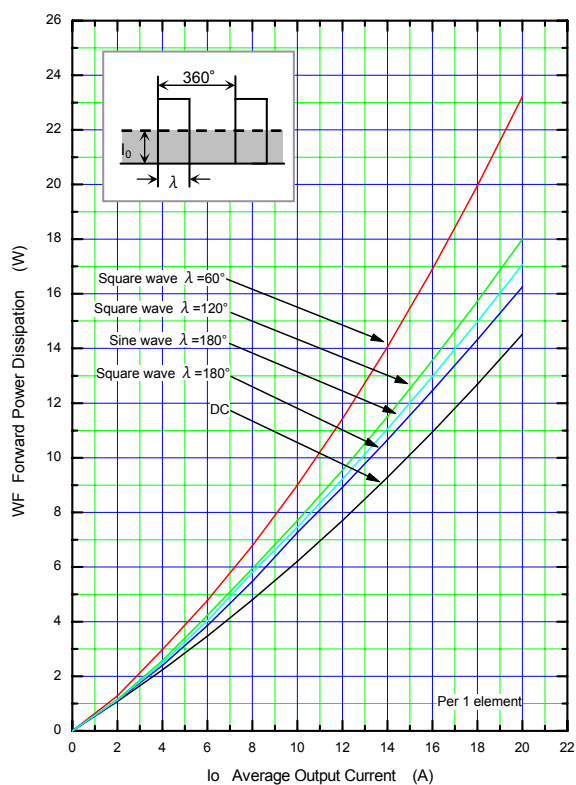
Forward Characteristic (typ.)



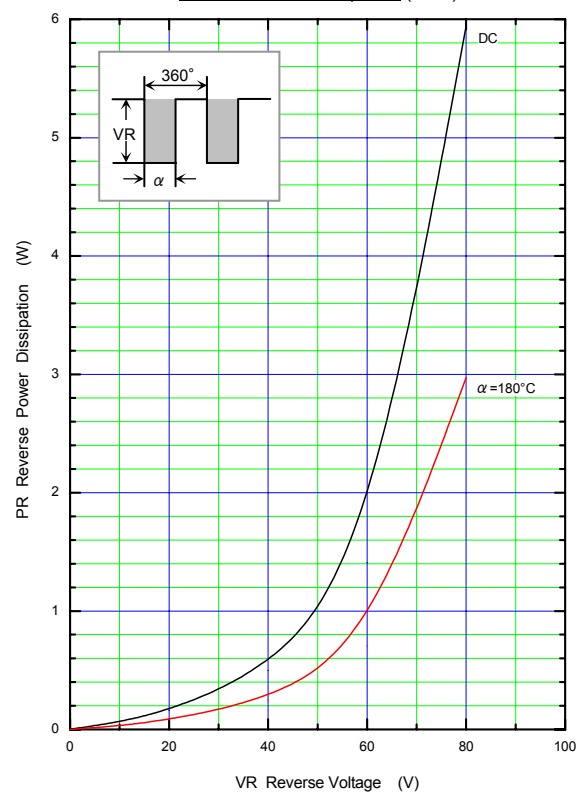
Reverse Characteristic (typ.)

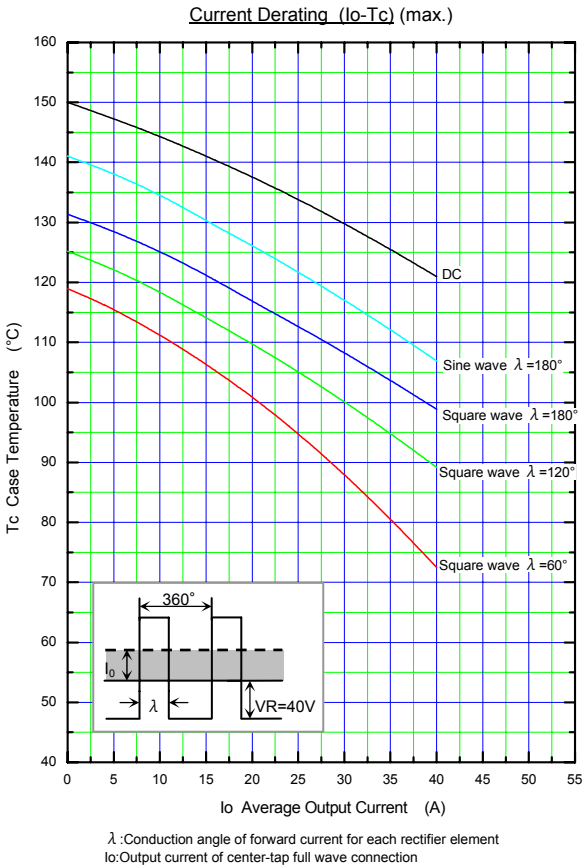
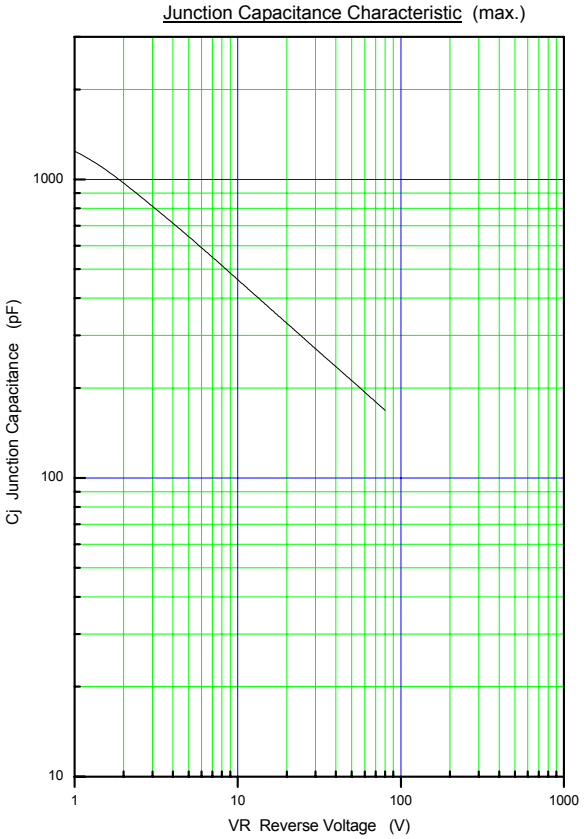
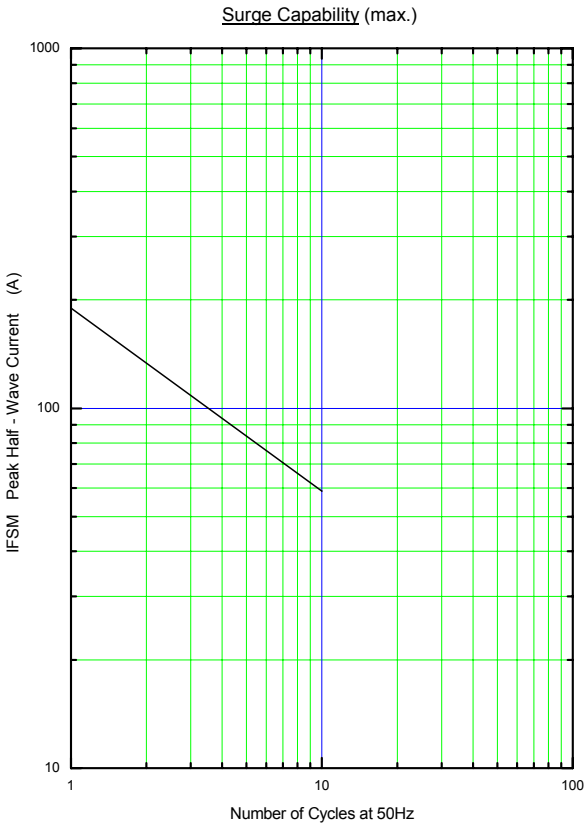


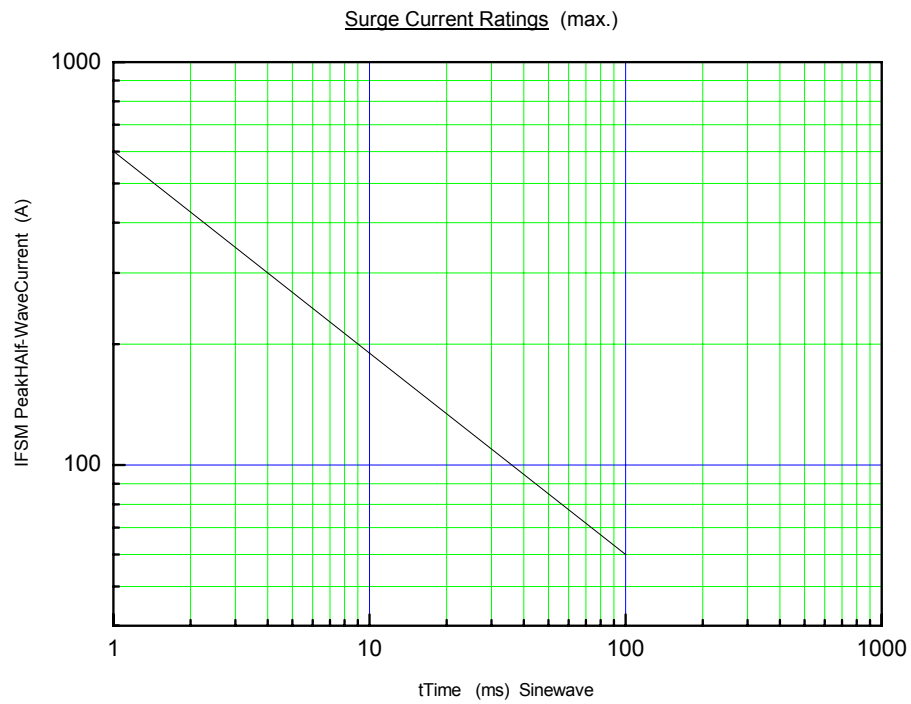
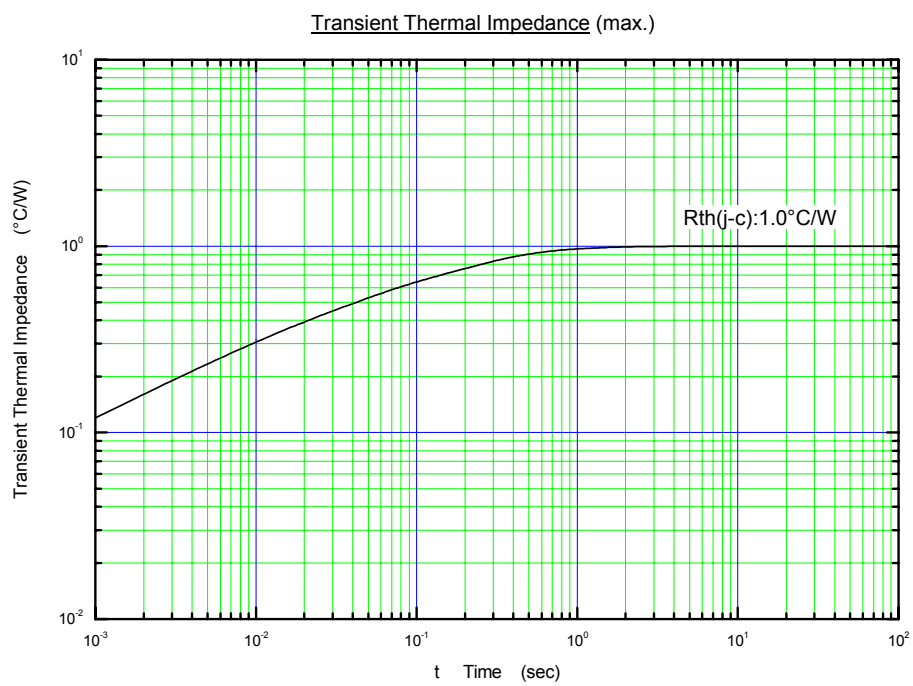
Forward Power Dissipation (max.)



Reverse Power Dissipation (max.)







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