

# TS862C08R

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 <sub>RRM</sub>	-	80	V
Average output current	I <sub>o</sub>	50Hz square wave duty =1/2 Tc =126 °C	10*	A
Non-repetitive forward surge current**	I <sub>FSM</sub>	Sine wave, 10ms 1shot	125	A
Operating junction temperature	T <sub>j</sub>	-	150	°C
Storage temperature	T <sub>stg</sub>	-	-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 <sub>F</sub>	I <sub>F</sub> = 5 A	0.76	V
Reverse current***	I <sub>R</sub>	V <sub>R</sub> =V <sub>RRM</sub>	150	μA
Thermal resistance	R <sub>th(j-c)</sub>	Junction to case	2.0	°C/W

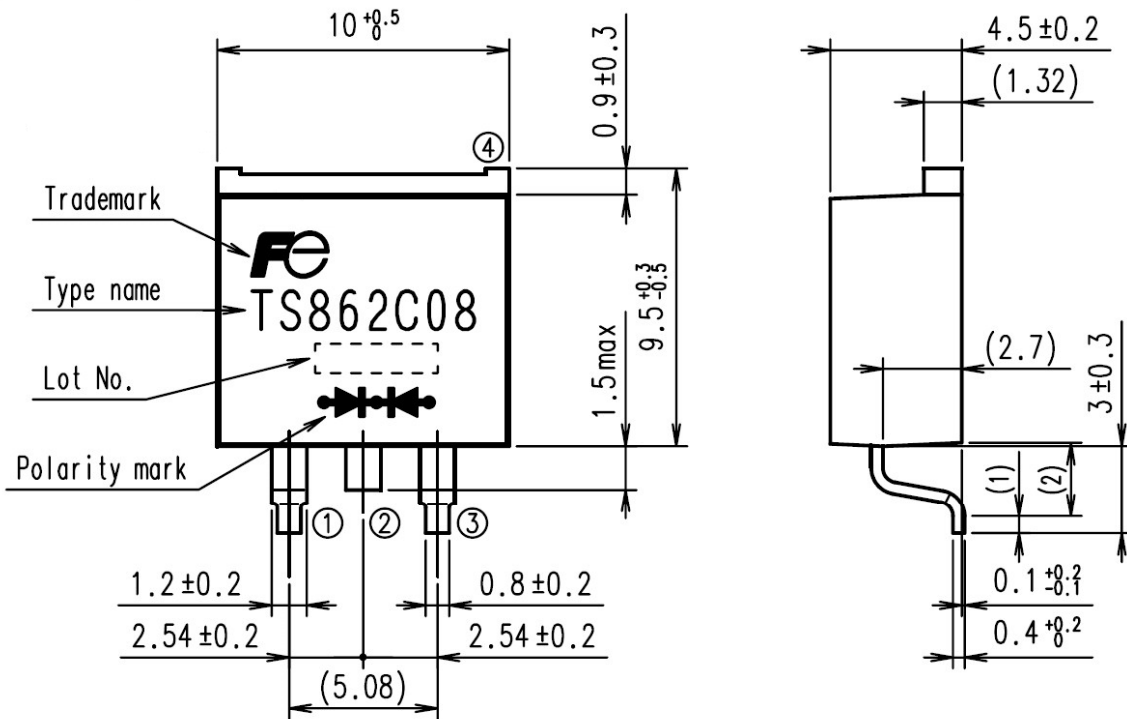
Note\*\*\* Rating per element

#### ● Mechanical characteristics

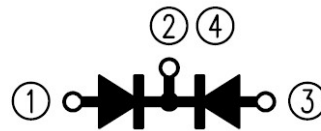
Item	Conditions	Maximum	Units
Approximate mass	-	1.6	g

■ Outline Drawings [mm]

OUT VIEW

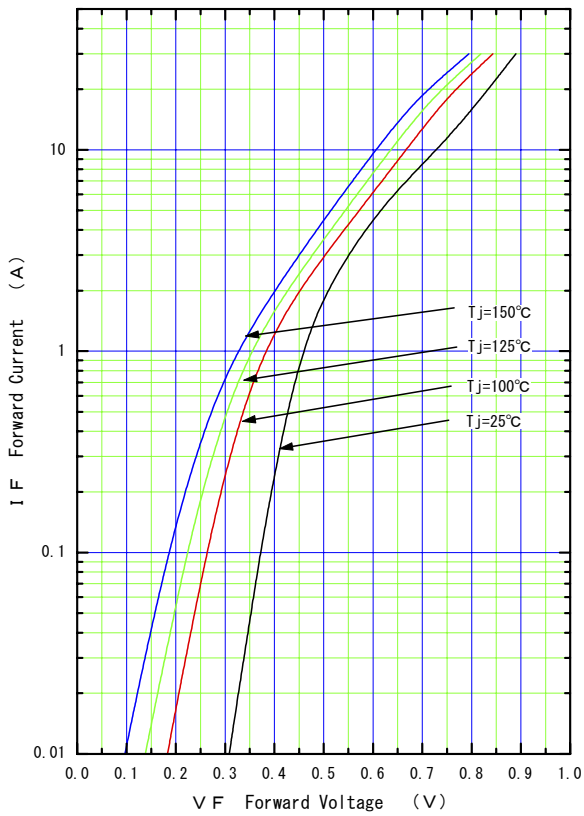


CONNECTION

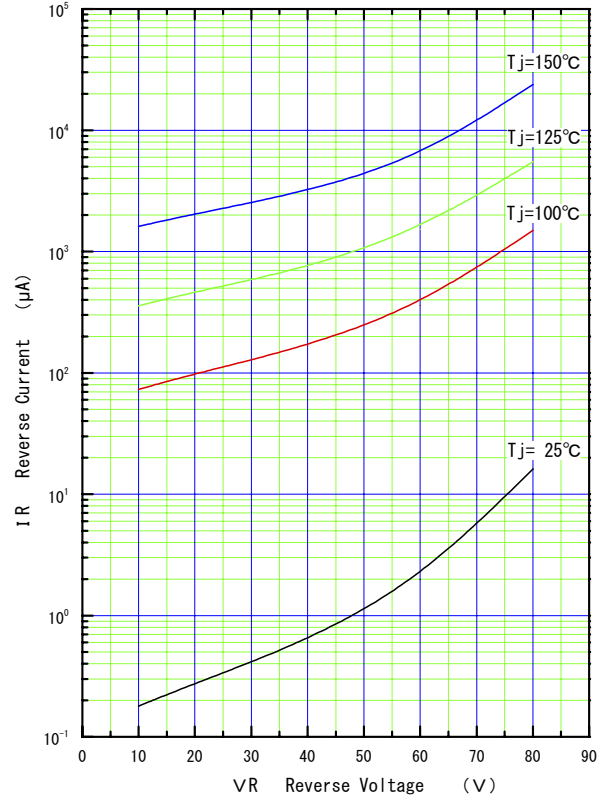


DIMENSIONS ARE IN MILLIMETERS.

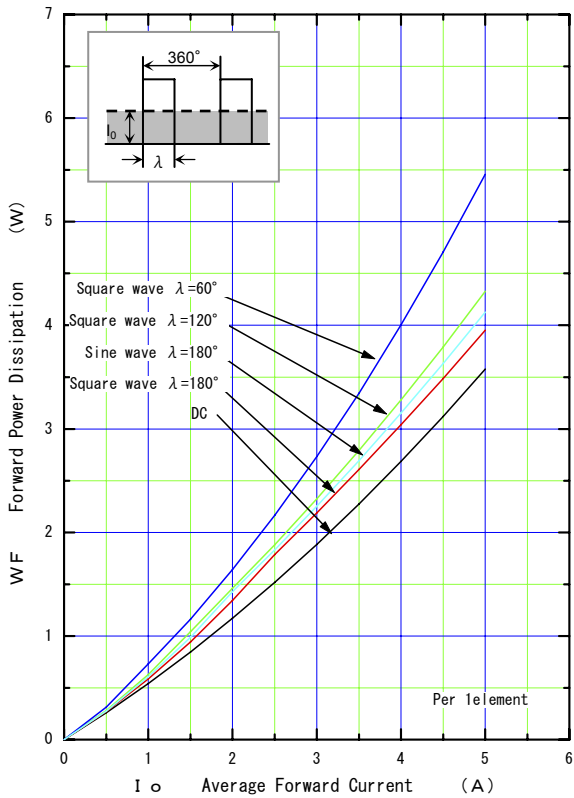
Forward Characteristic (typ.)



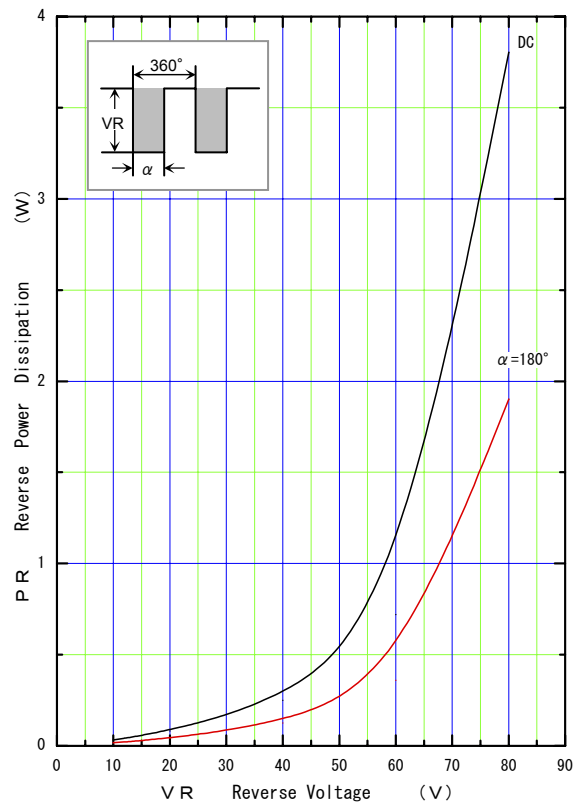
Reverse Characteristic (typ.)

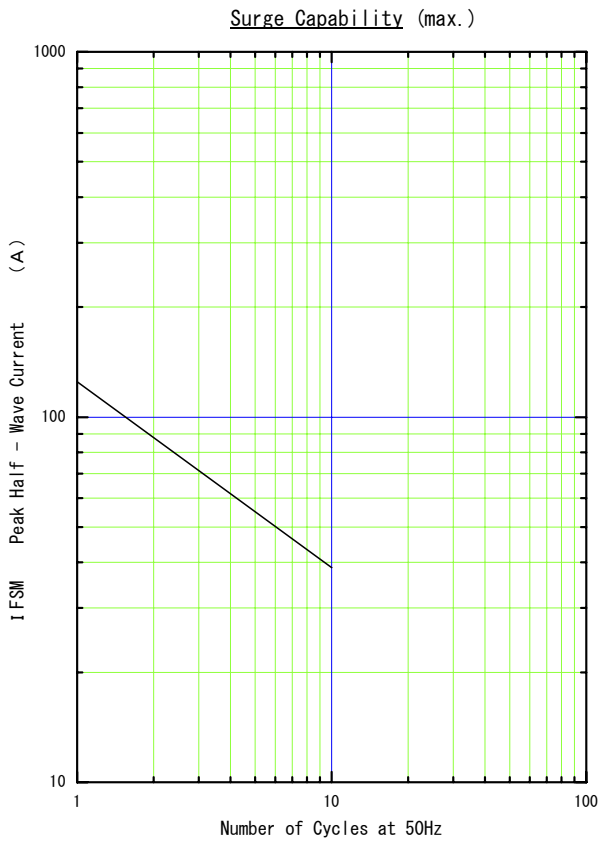
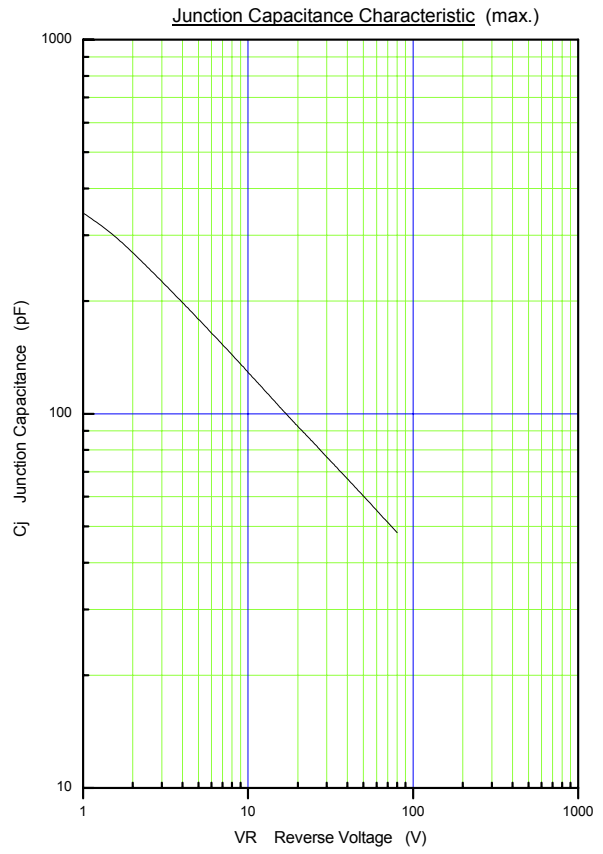
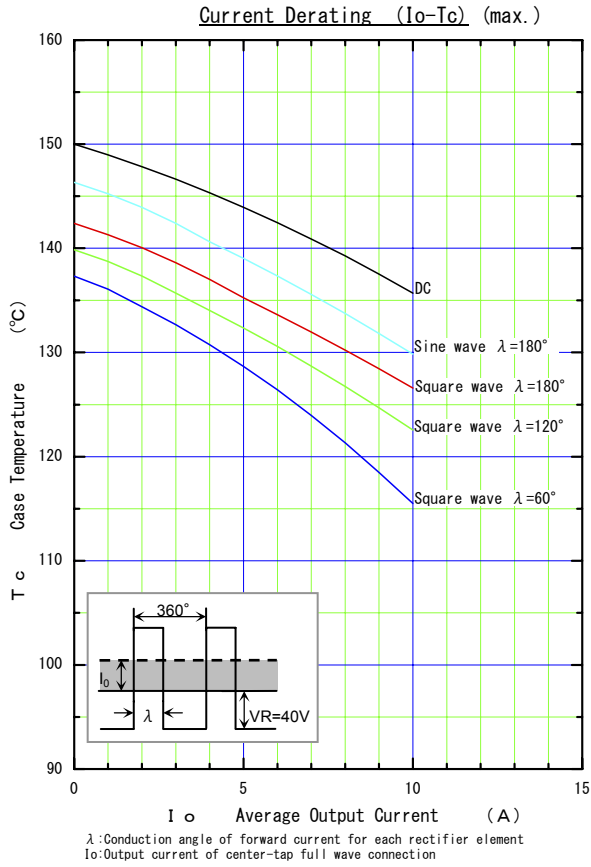


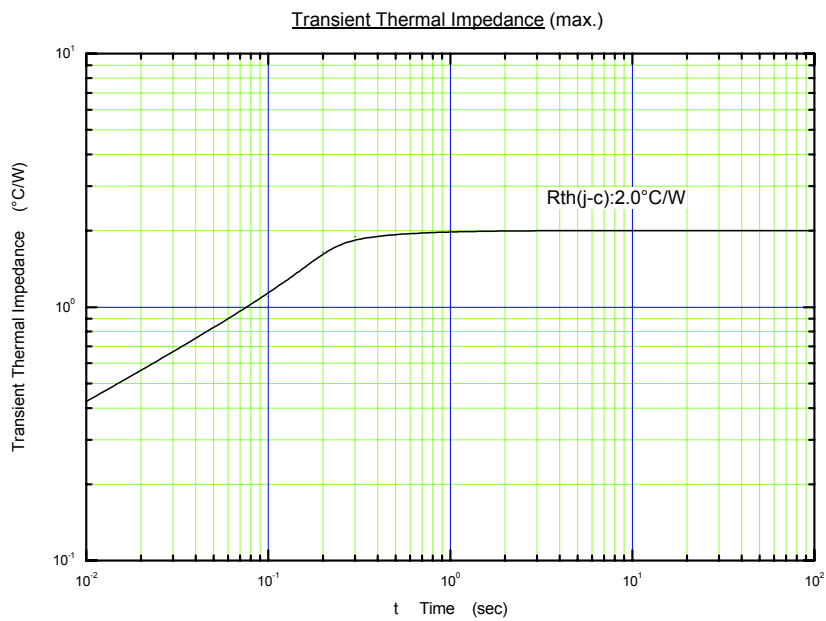
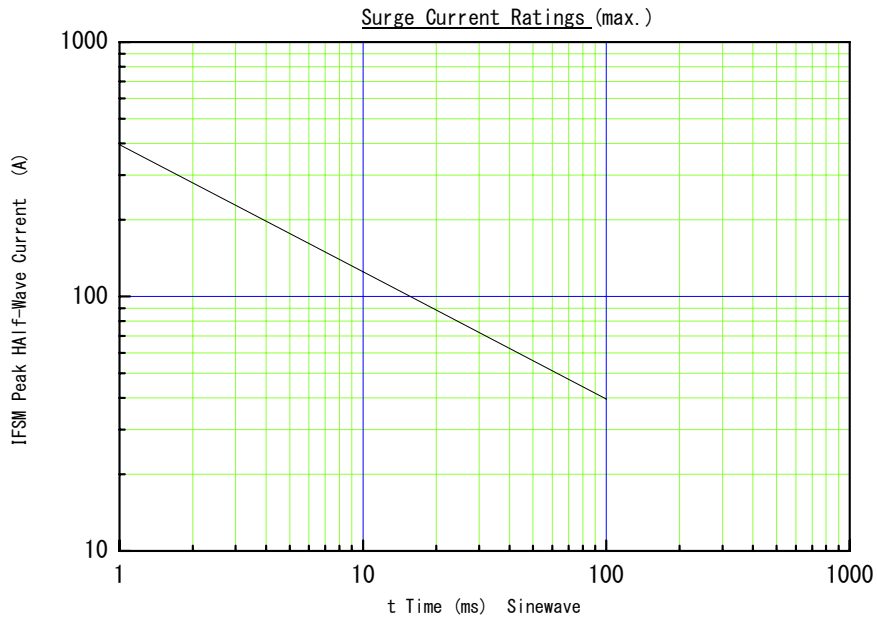
Forward Power Dissipation (max.)



Reverse Power Dissipation (max.)







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  - Machine tools
  - Audiovisual equipment
  - Electrical home appliances
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