

MS862C08 (80V, 10A)

FUJI Diode

Low IR Schottky Barrier Diode

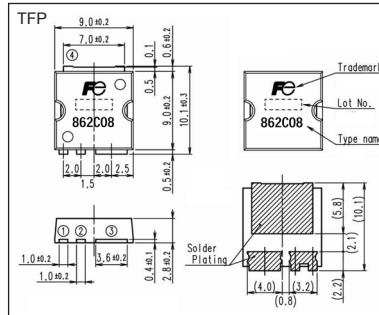
■ Features

- Low IR
- Low V_F
- Center tap connection

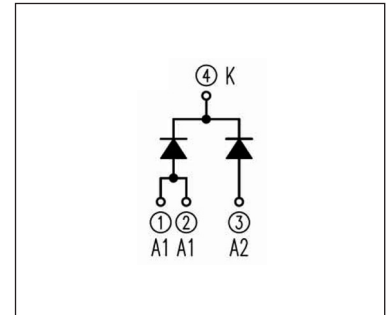
■ Applications

- High frequency operation
- DC-DC converters
- AC adapter

■ Outline Drawings [mm]



■ Connection diagram



■ Maximum Ratings and Characteristics

● Maximum ratings (at $T_a=25^{\circ}\text{C}$ Unless otherwise specified)

Item	Symbols	Conditions	Ratings	Units
Repetitive peak reverse voltage	V_{RRM}		80	V
Average output current	I_o	Square wave duty = 1/2 $T_c = 115^{\circ}\text{C}$	10 *	A
Non-repetitive surge current **	I_{FSM}	Sine wave, 10ms 1shot	125	A
Operating junction temperature	T_j		150	$^{\circ}\text{C}$
Storage temperature	T_{stg}		-40 to +150	$^{\circ}\text{C}$

*Out put current of center tap full wave connection.

**Rating per element

● Electrical characteristics (at $T_a=25^{\circ}\text{C}$ Unless otherwise specified)

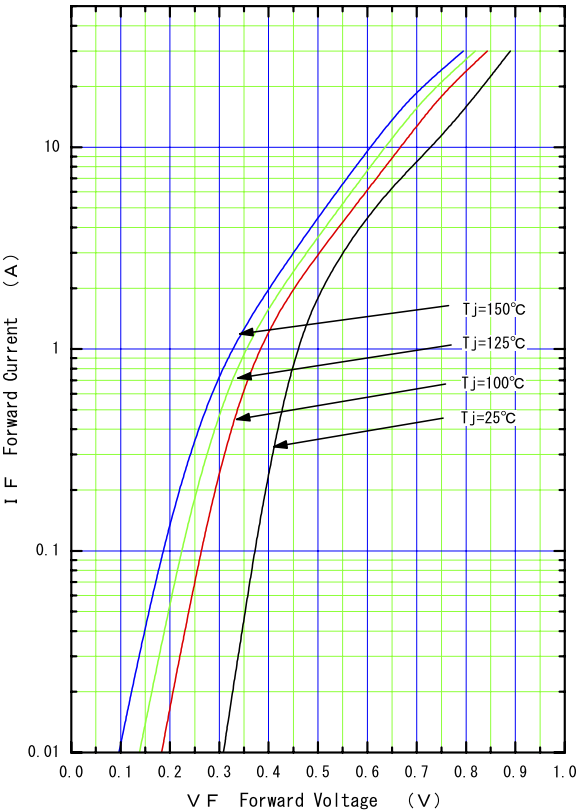
Item	Symbols	Conditions	Maximum	Units
Forward voltage***	V_F	$I_F = 5 \text{ A}$	0.76	V
Reverse current***	I_R	$V_R = V_{RRM}$	150	μA
Thermal resistance	$R_{th(j-c)}$	Junction to case	3	$^{\circ}\text{C/W}$

***Rating per element

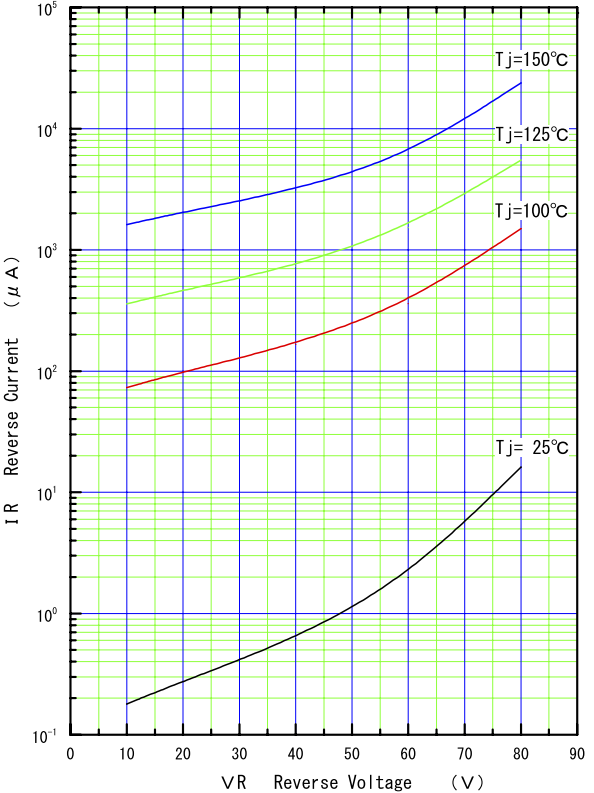
● Mechanical characteristics

Item	Conditions	Ratings	Units
Approximate mass		0.8	g

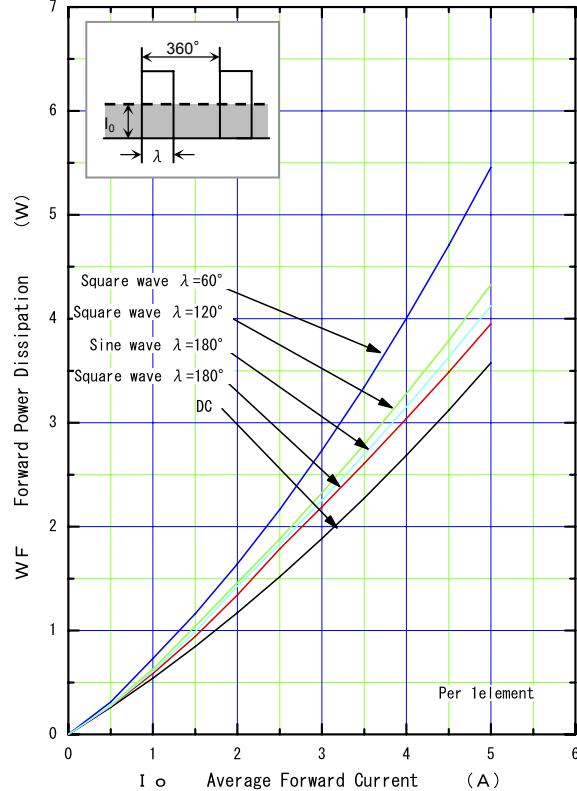
Forward Characteristic (typ.)



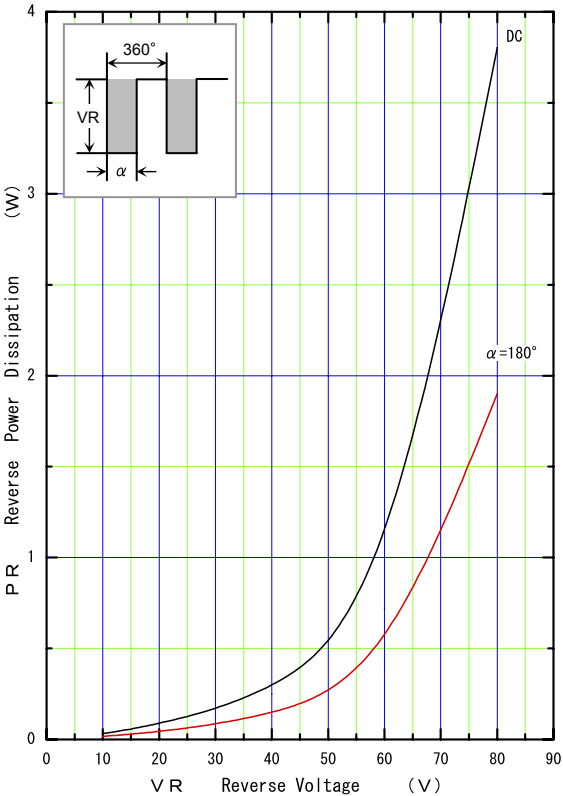
Reverse Characteristic (typ.)

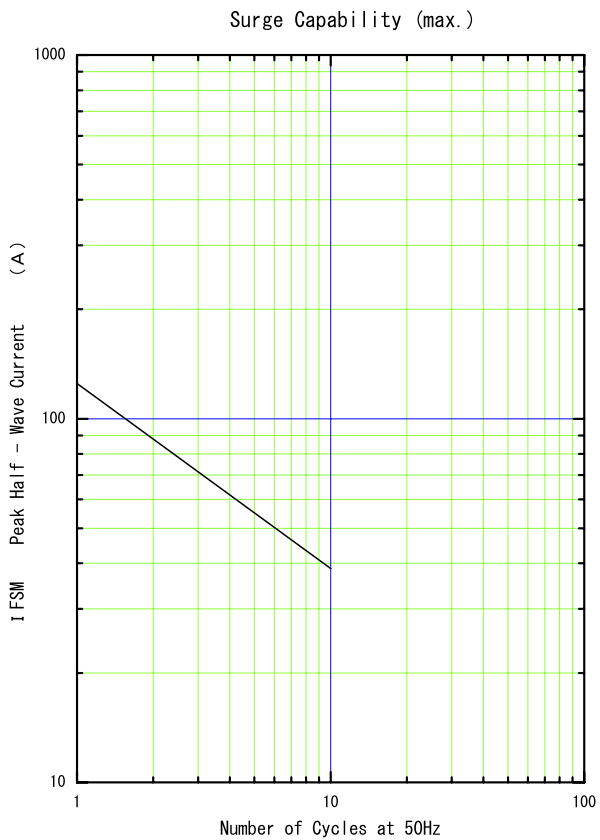
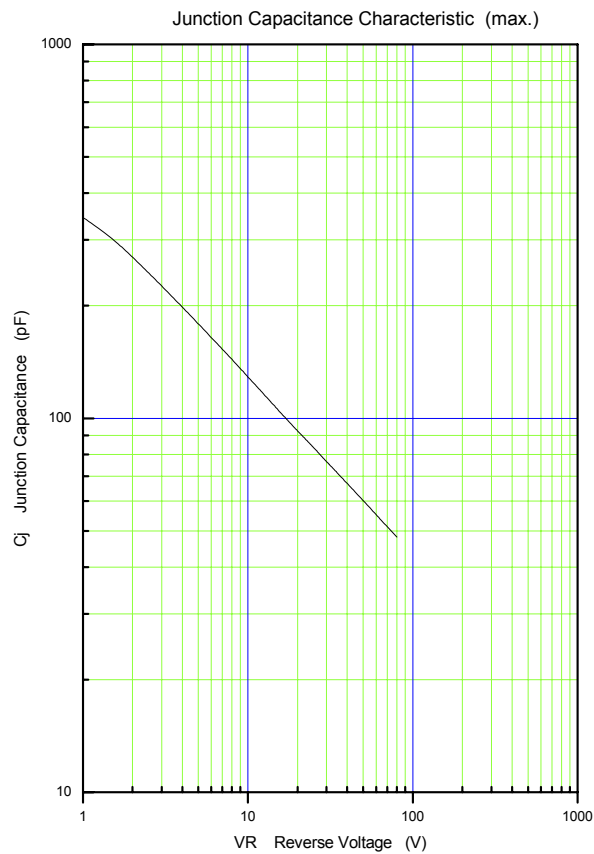
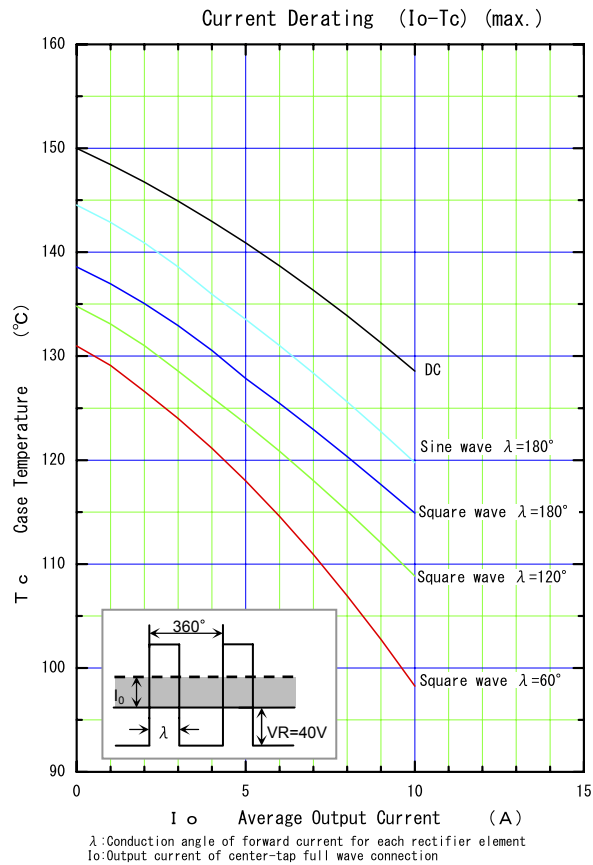


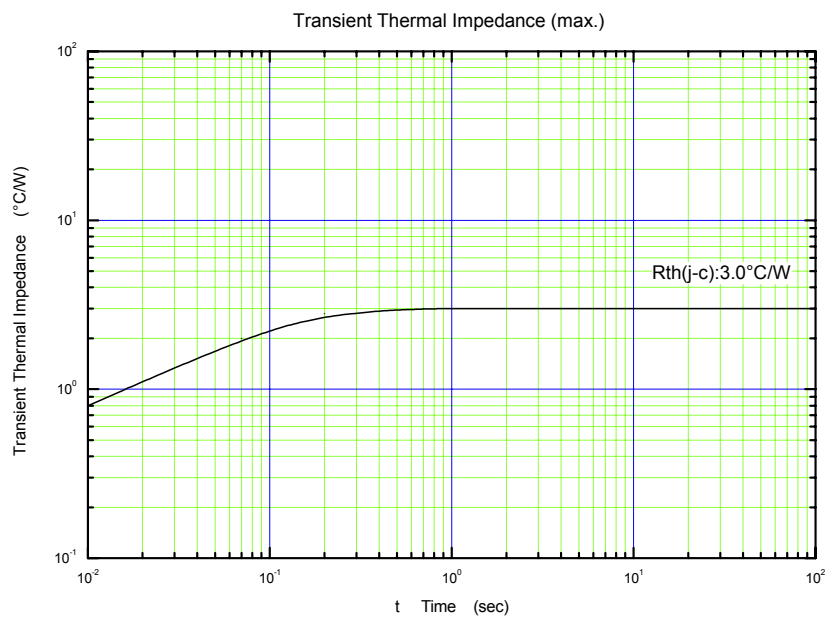
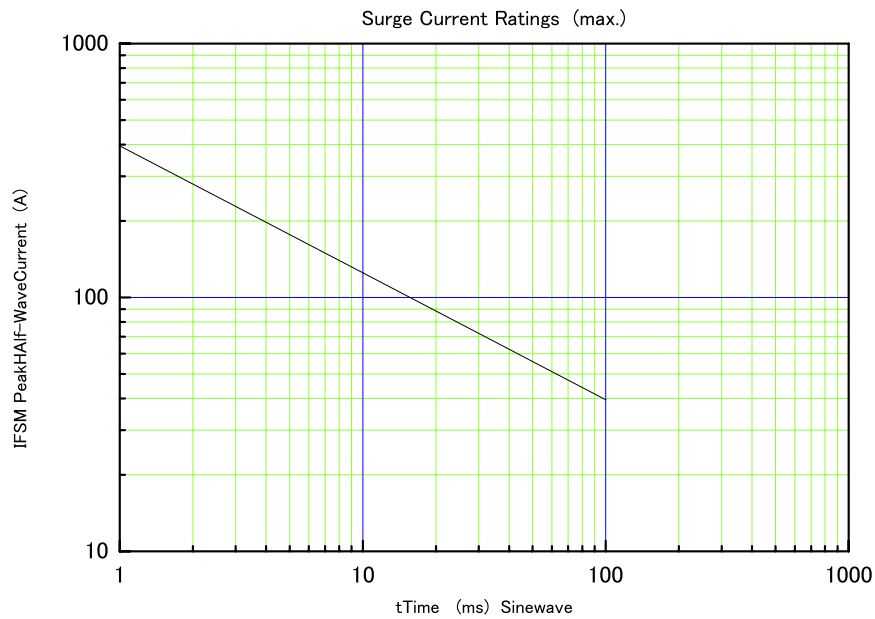
Forward Power Dissipation (max.)



Reverse Power Dissipation (max.)







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• Machine tools	• Audiovisual equipment	• Electrical home appliances	• Personal equipment
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• Medical equipment	
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