

TS865C08R

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 Tc =107°C	20*	A
Non-repetitive forward surge current**	I_{FSM}	Sine wave, 10ms 1shot	145	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	$I_F = 10\text{ A}$	0.76	V
Reverse current***	I_R	$V_R = V_{RRM}$	175	μA
Thermal resistance	Rth(j-c)	Junction to case	1.75	°C/W

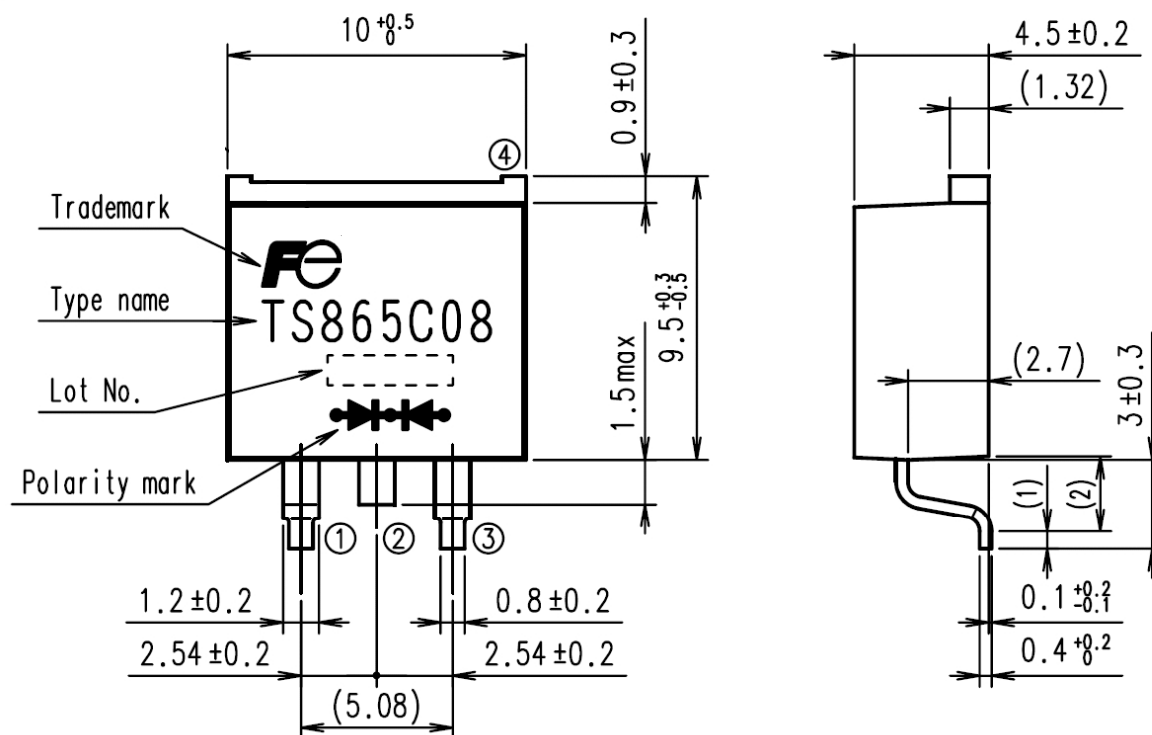
Note*** Rating per element

● Mechanical characteristics

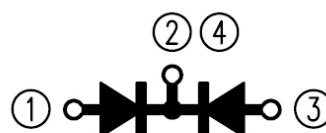
Item	Conditions	Maximum	Units
Approximate mass	-	1.6	g

■ Outline Drawings [mm]

OUT VIEW

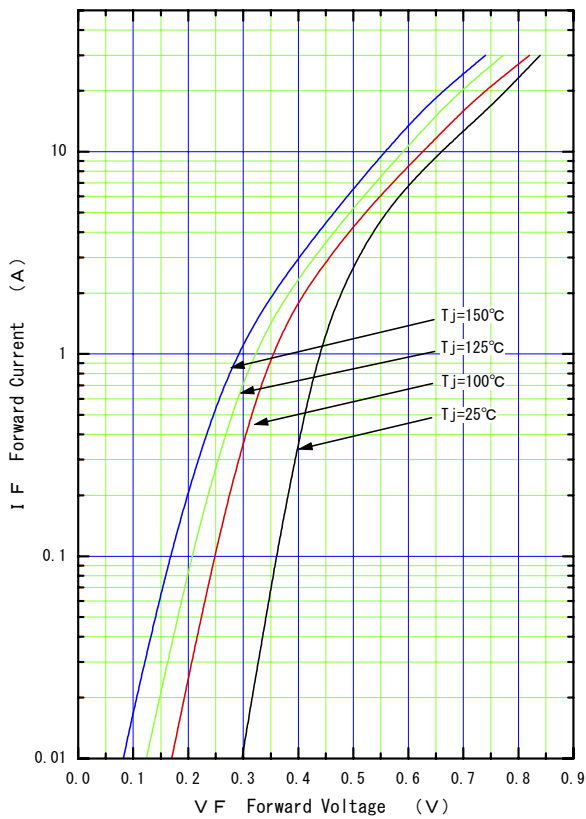


CONNECTION

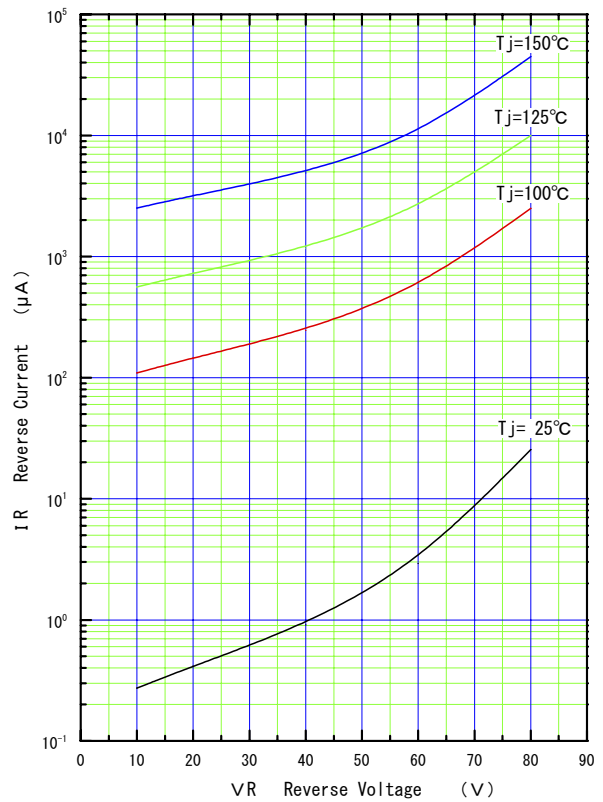


DIMENSIONS ARE IN MILLIMETERS.

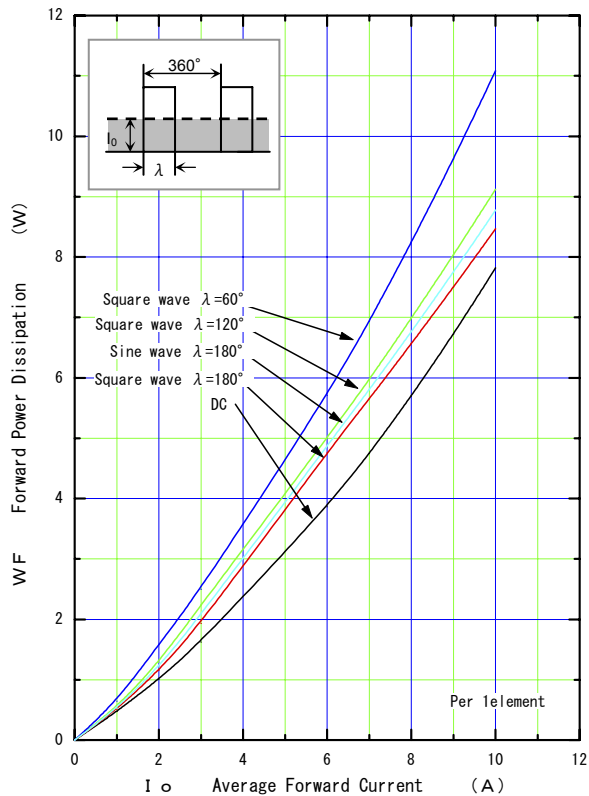
Forward Characteristic (typ.)



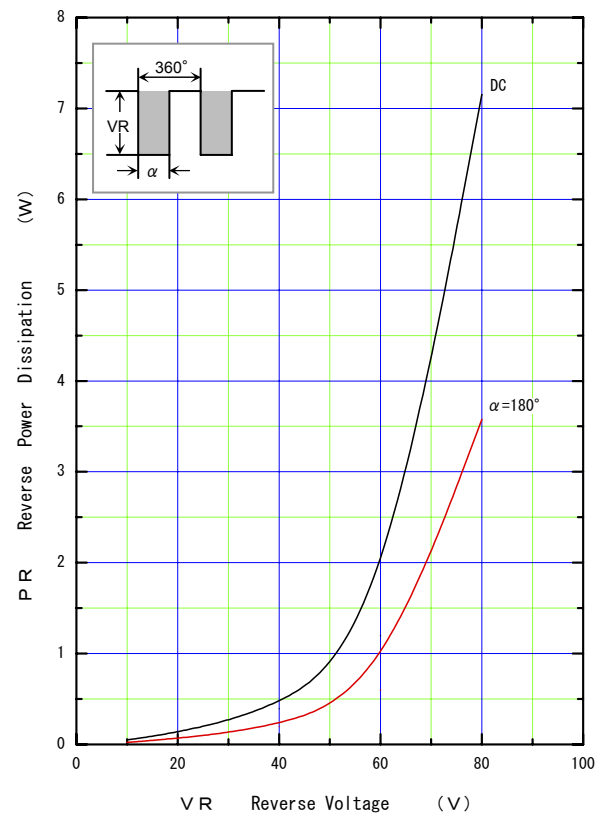
Reverse Characteristic (typ.)

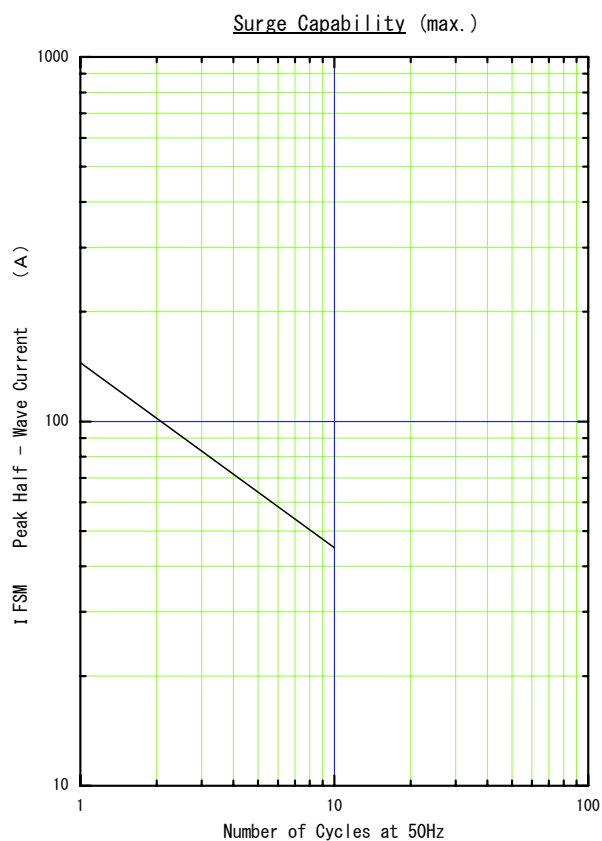
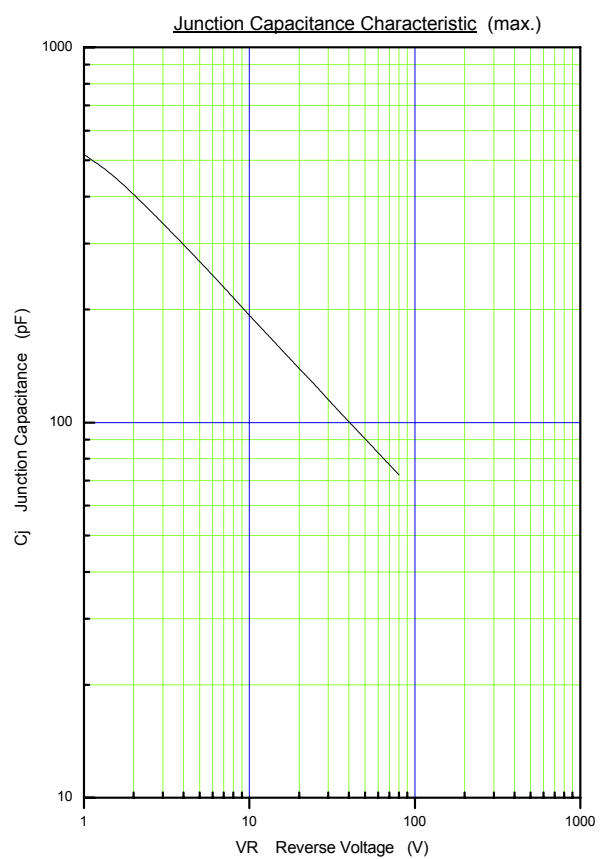
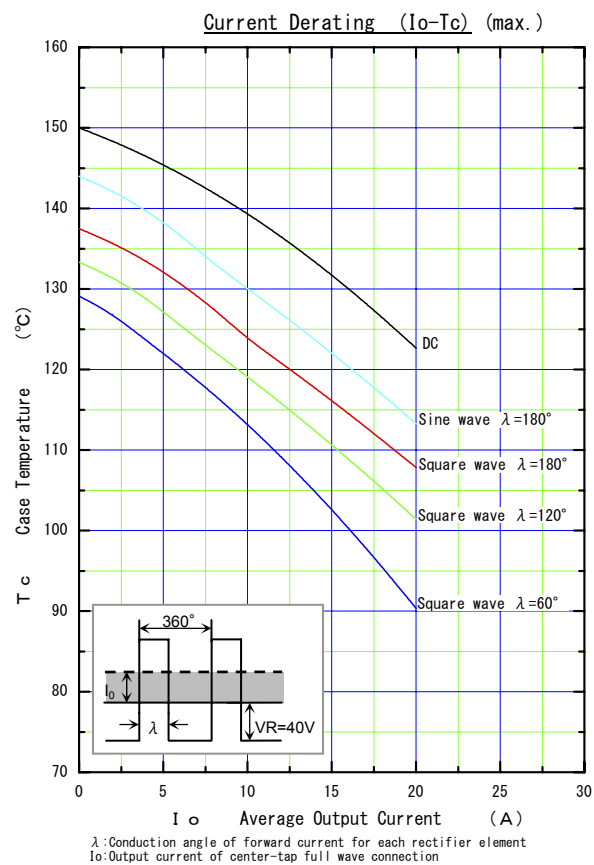


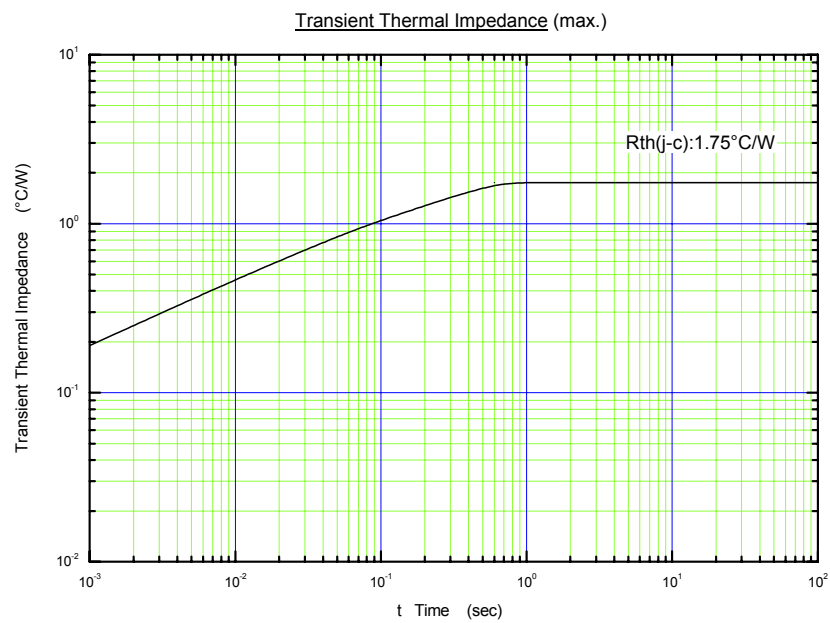
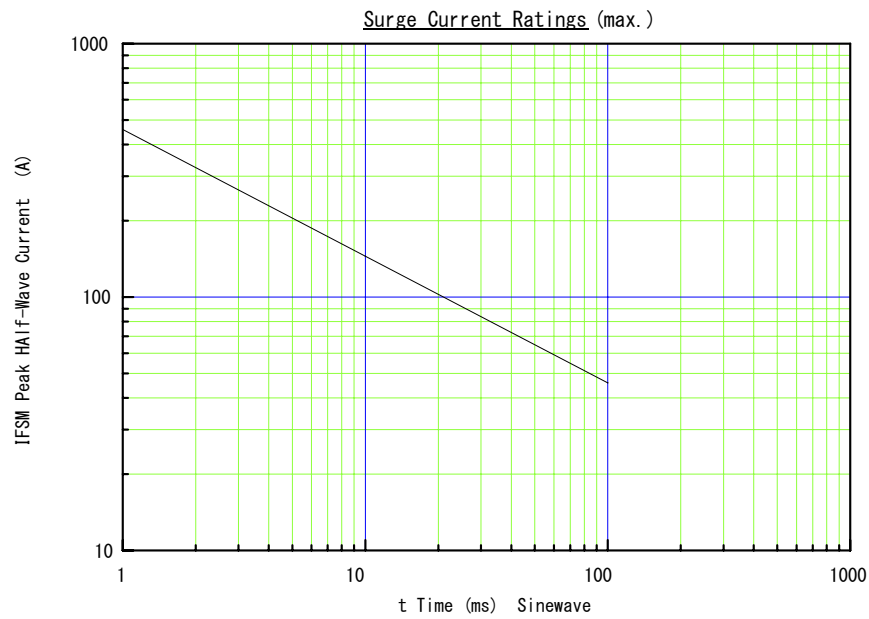
Forward Power Dissipation (max.)



Reverse Power Dissipation (max.)







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