

MS865C10 (100V, 20A)

FUJI Diode

Low IR Schottky Barrier Diode

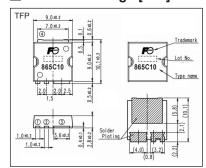
■ Features

- Low IR
- Low VF
- Center tap connection

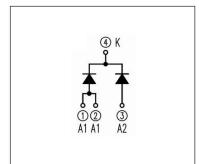
Applications

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

■ Outline Drawings [mm]



■ Connection diagram



■ Maximum Ratings and Characteristics

● Maximum ratings (at Ta=25°C Unless otherwise specified)

Item	Symbols	Conditions	Ratings	Units
Repetitive peak reverse voltage	VRRM		100	V
Average output current	lo	Square wave duty =1/2 Tc =117°C	20 *	А
Non-repetitive surge current **	IFSM	Sine wave, 10ms 1shot	145	Α
Operating junction temperature	Tj		150	°C
Storage temperature	Tstg		-40 to +150	°C

^{*}Out put current of center tap full wave connection.

● Electrical characteristics (at Ta=25°C Unless otherwise specified)

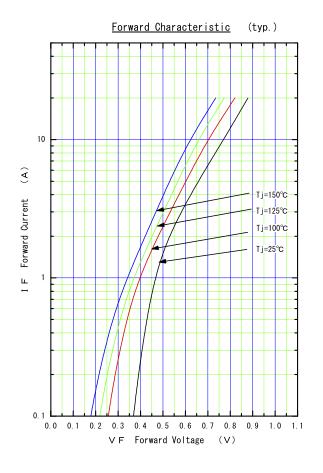
Item	Symbols	Conditions	Maximum	Units
Forward voltage***	VF	I _F = 10 A	0.86	V
Reverse current***	IR	V _R =V _{RRM}	175	μA
Thermal resistance	Rth(j-c)	Junction to case	1.75	°C/W

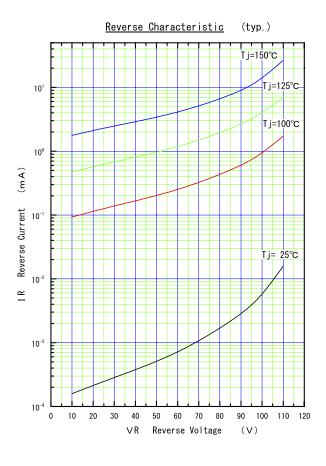
^{***}Rating per element

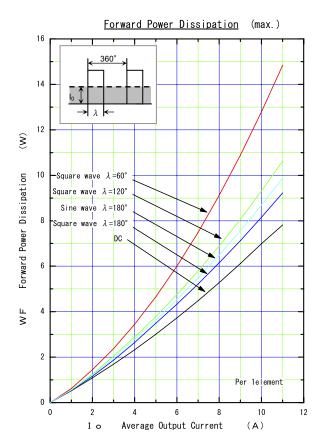
Mechanical characteristics

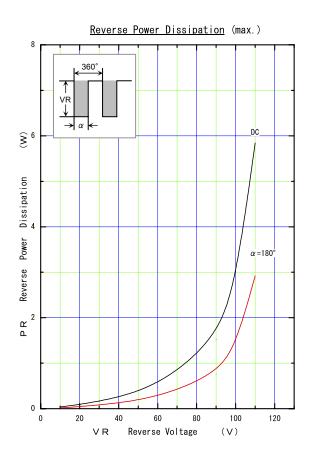
Item	Conditions	Ratings	Units
Approximate mass		0.8	g

^{**}Rating per element

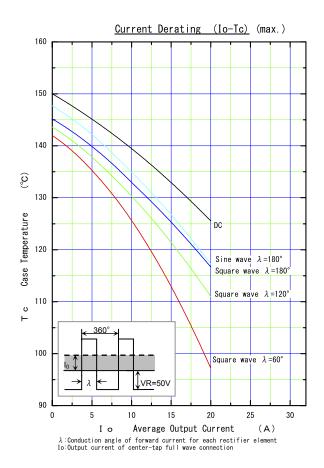


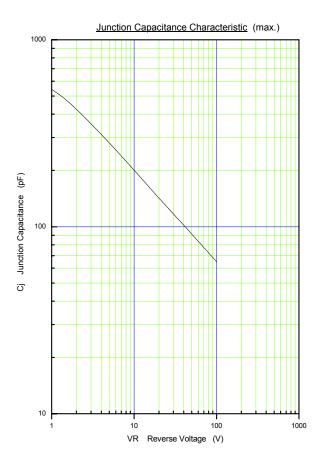


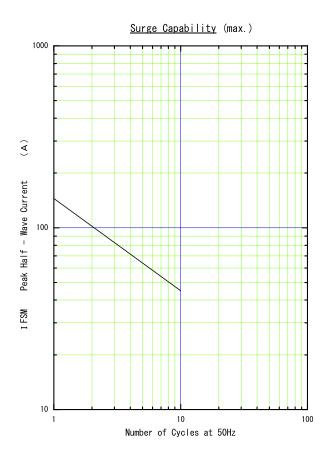


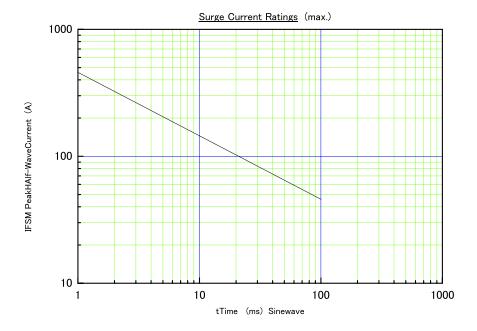


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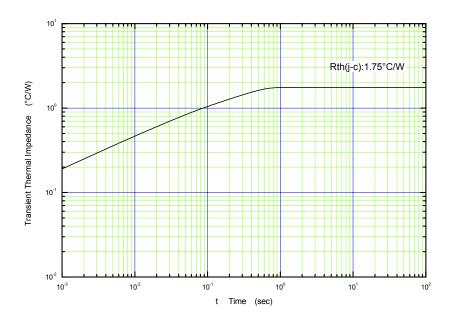








Transient Thermal Impedance (max.)



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WARNING

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- OA equipment
- Communications equipment (terminal devices)
- Measurement equipment

- Machine tools
- Audiovisual equipment
- Electrical home appliances Personal e
- Personal equipment Industrial robots etc.
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- Safety devices

- Medical equipment
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