

MS868C04 (45V, 30A)

FUJI Diode

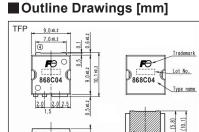
Low IR Schottky Barrier Diode

Features

- Low IR
- Low VF
- Center tap connection

Applications

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



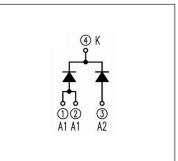
Solder Plating

.8±0.2

(5.1)

(4.0) (3.2)

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		45	V
Average output current	lo	Square wave duty =1/2 Tc =122°C	30 *	А
Non-repetitive surge current **	IFSM	Sine wave, 10ms 1shot	160	А
Operating junction temperature	Tj		150	°C
Storage temperature	Tstg		-40 to +150	°C

*Out put current of center tap full wave connection.

**Rating per element

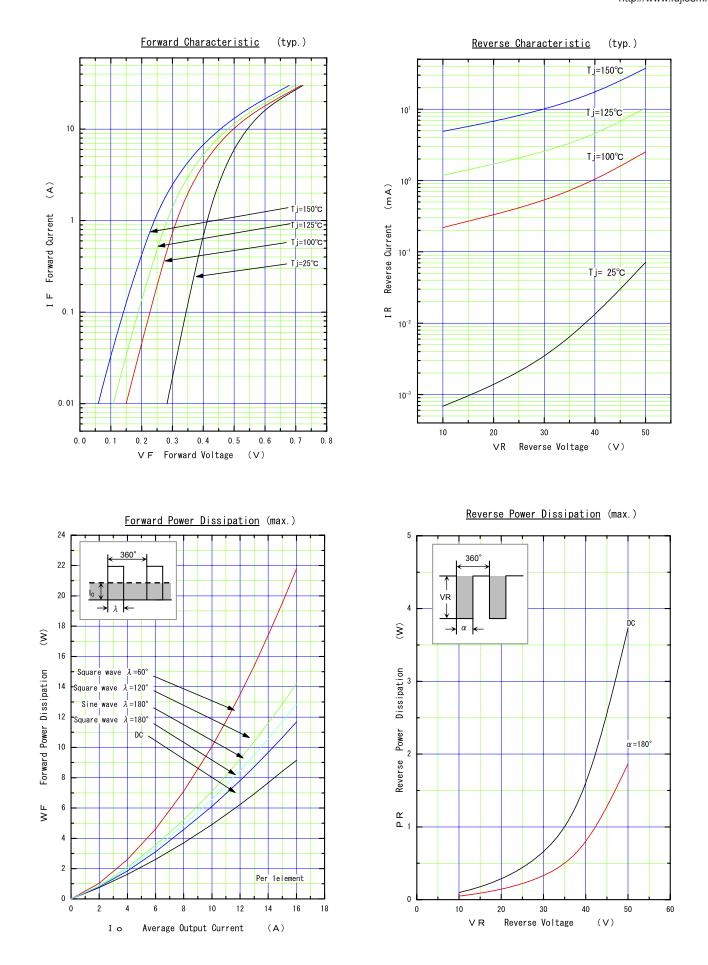
• Electrical characteristics (at Ta=25°C Unless otherwise specified)

Item	Symbols	Conditions	Maximum	Units
Forward voltage***	VF	I⊧ = 15 A	0.63	V
Reverse current***	IR	V _R =V _{RRM}	200	μA
Thermal resistance	Rth(j-c)	Junction to case	1.25	°C/W

***Rating per element

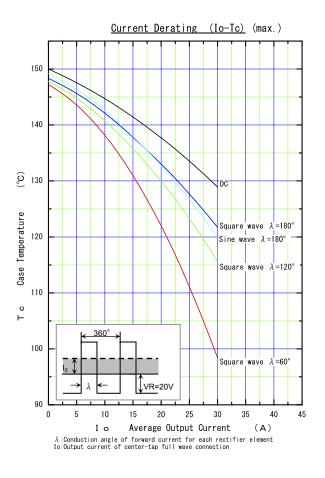
Mechanical characteristics

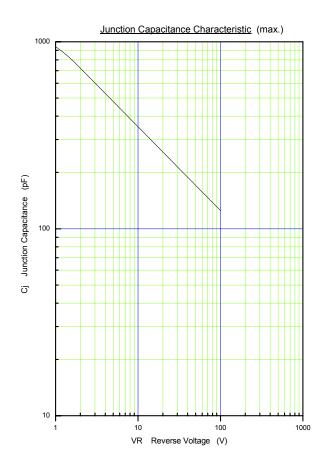
Item	Conditions	Ratings	Units
Approximate mass		0.8	g

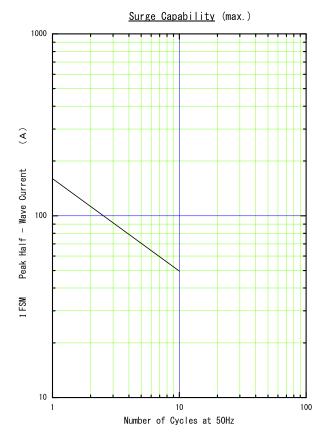


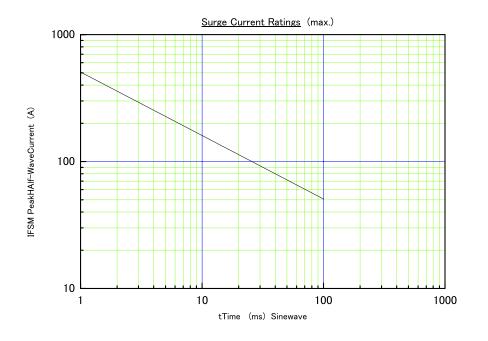
FUJI Diode



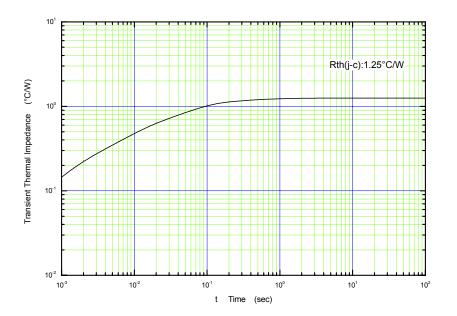








Transient Thermal Impedance (max.)



WARNING

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