

ESAC83-004R

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 surge reverse voltage	V _{RSM}	tw=500ns, duty=1/40	48	V
Repetitive peak reverse voltage	V _{RRM}	-	40	V
Average output current	lo	50Hz Square wave duty =1/2 Tc = 119°C	20 *	А
Non-repetitive forward surge current**	IFSM	Sine wave, 10ms 1shot	120	А
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***	VF	IF T-8A	0.55	V
Reverse current***	L RA	VR XRRM	15	mA
Thermal resistance	Rtlate-of	Junction to case	1.5	°C/W

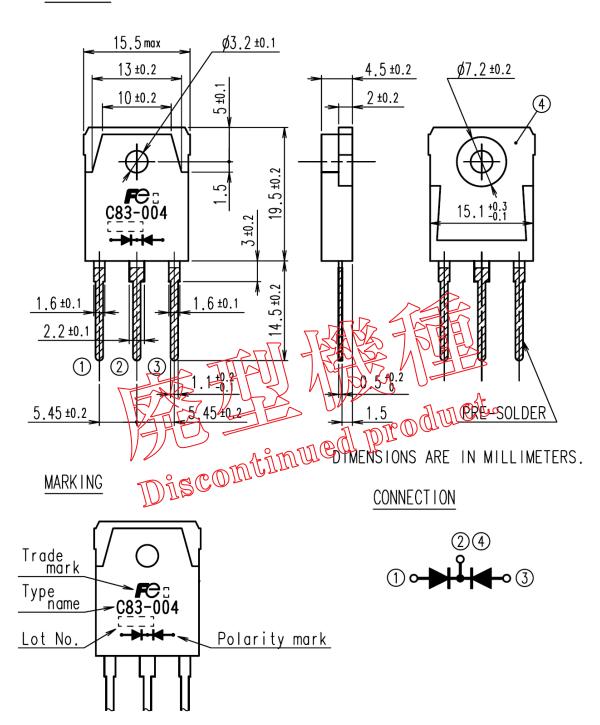
Note*** Rating per element

Mechanical characteristics

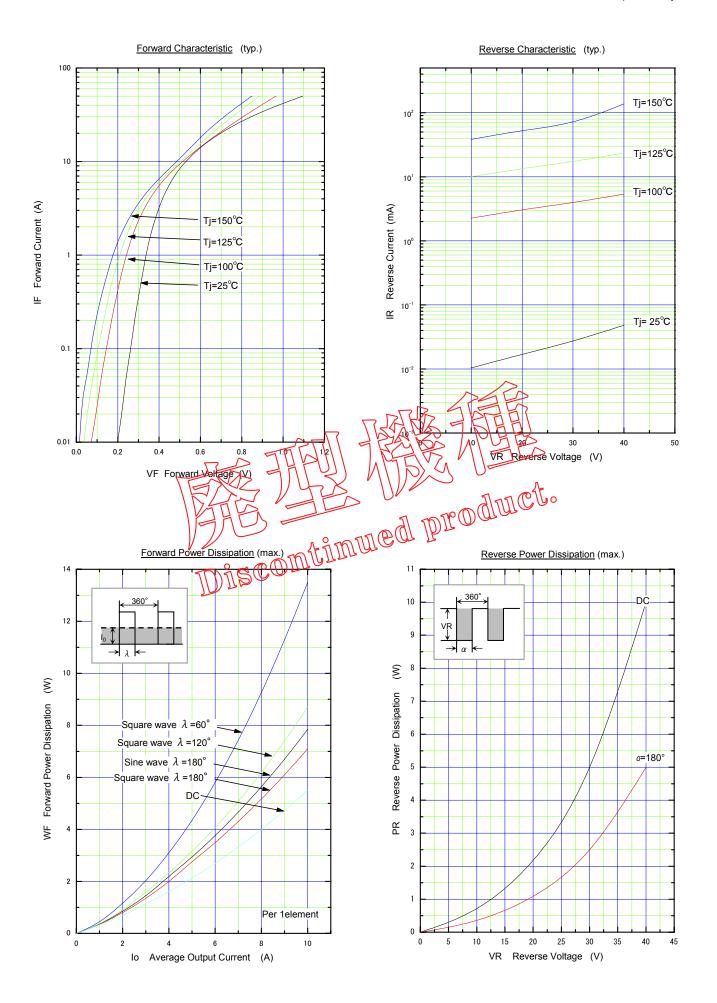
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Item)	Conditions	Maximum	Units
Mounting torque	V D	- 4 JU	Recommended torque	0.4 to 0.6	N•m
Approximate mass	m386	OITHAR	-	5.5	g
	Dip				

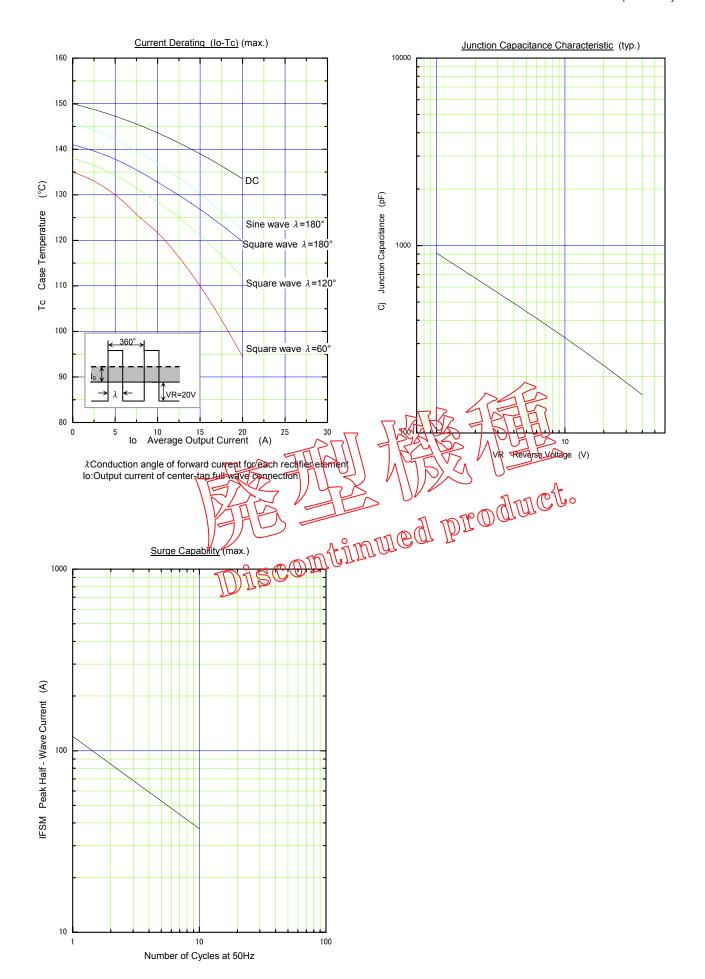
■ Outline Drawings [mm]

OUT VIEW

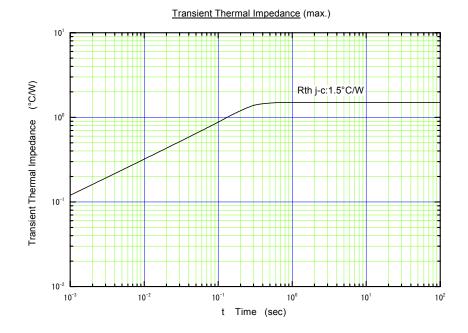


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WARNING

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

- Machine tools
- Audiovisual equipment
- Electrical home appliances
- Personal equipment
- Industrial robots etc.
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- Trunk communications equipment

• Traffic-signal control equipment

- Gas leakage detectors with an auto-shut-off feature
- Emergency equipment for responding to disasters and anti-burglary devices
- Safety devices

- Medical equipment
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