

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	VRRM	-	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	Α			
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	I _F = 8A	0.55	V
Reverse current***	IR	V _R =V _{RRM}	15	mA
Thermal resistance	Rth(j-c)	Junction to case	1.5	°C/W

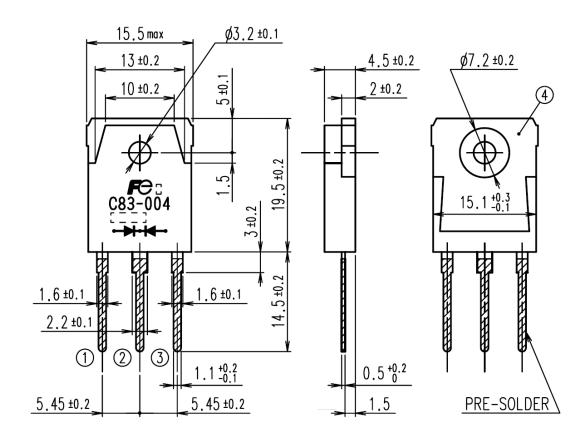
Note*** Rating per element

Mechanical characteristics

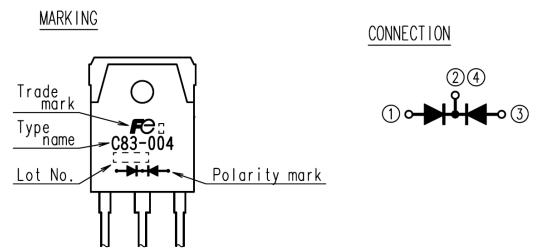
Item	Conditions	Maximum	Units
Mounting torque	Recommended torque	0.4 to 0.6	N•m
Approximate mass	-	5.5	g

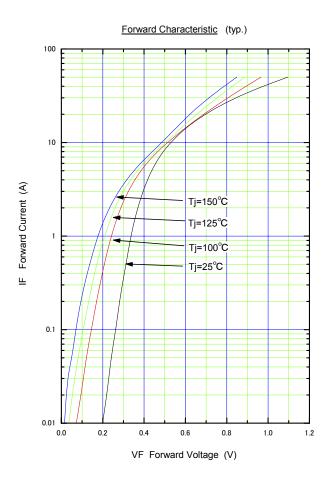
■ Outline Drawings [mm]

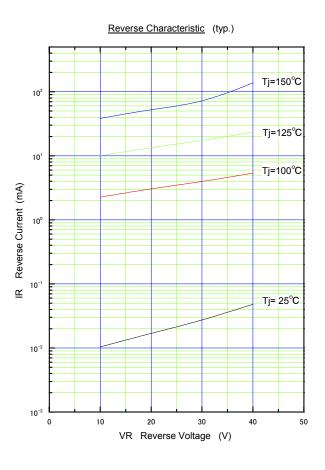
OUT VIEW

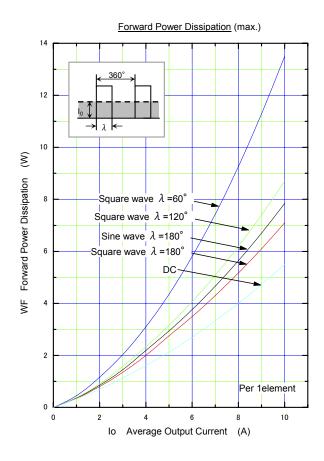


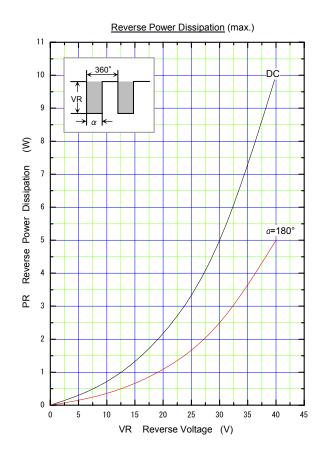
DIMENSIONS ARE IN MILLIMETERS.

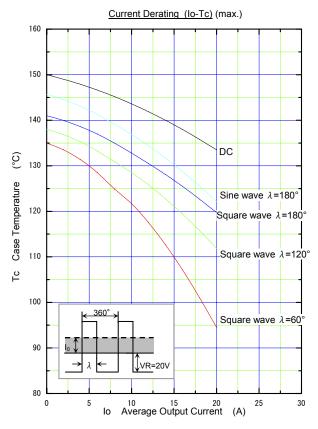




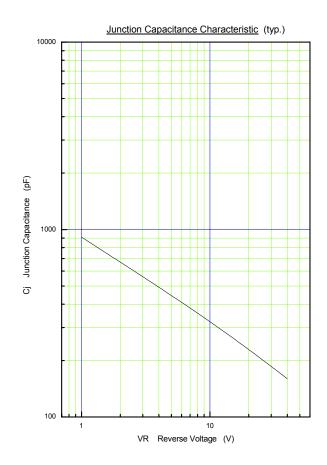


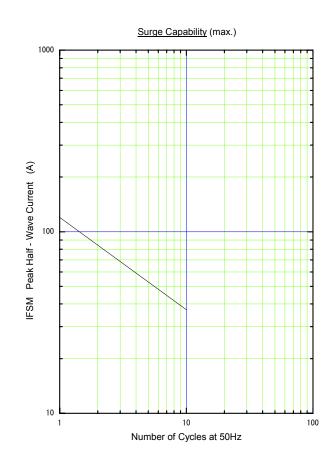


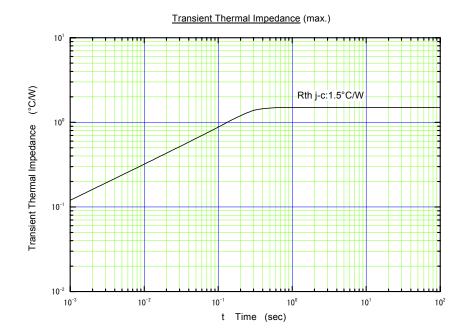




 $\lambda Conduction$ angle of forward current for each rectifier element lo:Output current of center-tap full wave connection







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- Measurement equipment

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- · Safety devices

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