

ESAD85-009R

FUJI Diode

Schottky Barrier Diode

■ Maximum Rating and Characteristics

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

Symbols	Conditions	Ratings	Units
Vrsm	tw=500ns, duty=1/40	100	V
VRRM	-	90	V
lo	50Hz Square wave duty =1/2 Tc = 118°C	25 *	А
IFSM	Sine wave, 10ms 1shot	100	Α
Tj	-	150	°C
Tstg	-	-40 to +150	°C
	VRSM VRRM lo lfSM Tj	VRSM tw=500ns, duty=1/40 VRRM - 10 50Hz Square wave duty =1/2 Tc = 118°C IFSM Sine wave, 10ms 1shot Tj -	VRSM tw=500ns, duty=1/40 100 VRRM - 90 Io 50Hz Square wave duty =1/2 Tc = 118°C 25 * IFSM Sine wave, 10ms 1shot 100 Tj - 150

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 = 10 A	0.9	V
Reverse current***	IR	V _R =V _{RRM}	20	mA
Thermal resistance	Rth(j-c)	Junction to case	1.2	°C/W

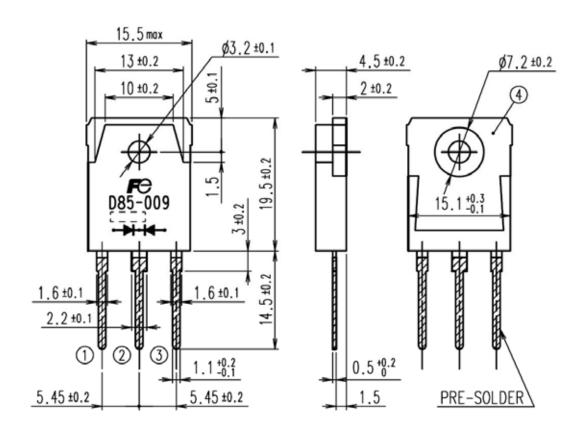
Note*** Rating per element

Mechanical characteristics

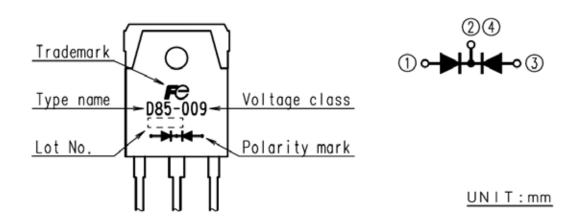
Item	Conditions	Maximum	Units
Mounting torque	Recommended torque	0.4 to 0.6	N•m
Approximate mass	-	5.5	g

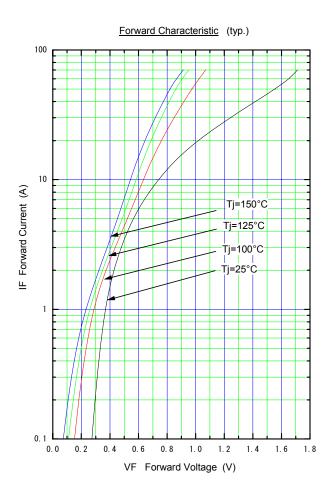
■ Outline Drawings [mm]

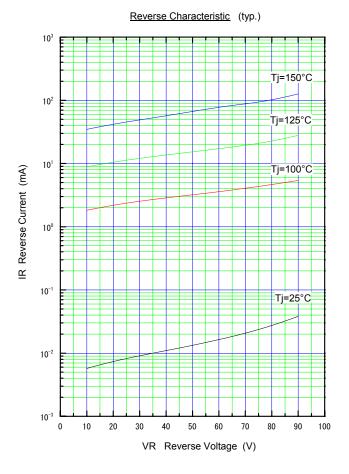
OUT VIEW

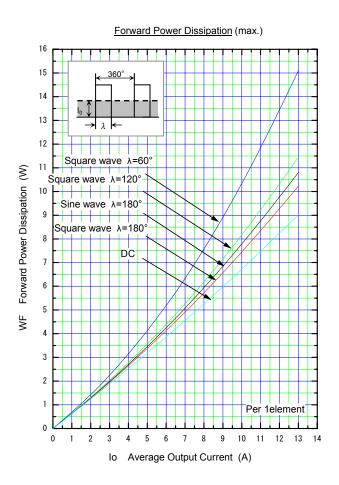


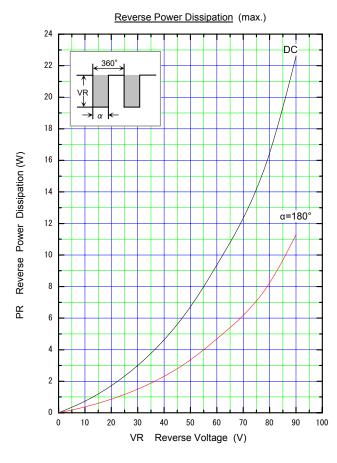
MARKING CONNECTION

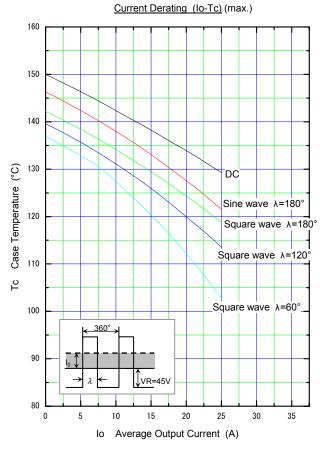






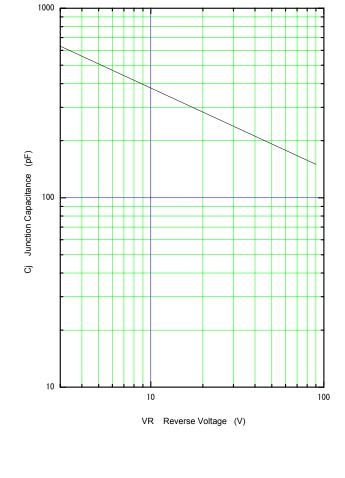




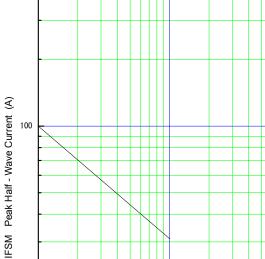


 $\lambda : Conduction$ angle of forward current for each rectifier element lo:Output current of center-tap full wave connection

Surge Capability (max.)

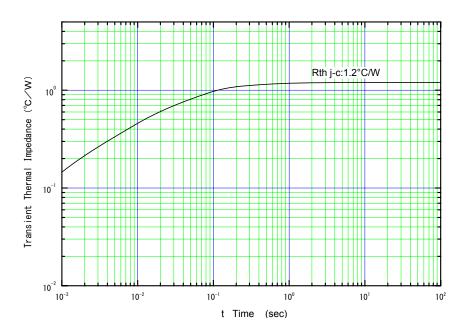


Junction Capacitance Characteristic (typ.)



10

Transient Thermal Impedance (max.)



WARNING

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- Measurement equipment

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- Personal equipment
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- Safety devices

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