

# ESAD85-009R

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	100	V
Repetitive peak reverse voltage	$V_{RRM}$	-	90	V
Average output current	$I_o$	50Hz Square wave duty =1/2 Tc = 118°C	25 *	A
Non-repetitive forward surge current**	$I_{FSM}$	Sine wave, 10ms 1shot	100	A
Operating junction temperature	$T_j$	-	150	°C
Storage temperature	$T_{stg}$	-	-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***	$V_F$	$I_F = 10\text{ A}$	0.9	V
Reverse current***	$I_R$	$V_R = V_{RRM}$	20	mA
Thermal resistance	$R_{th(j-c)}$	Junction to case	1.2	°C/W

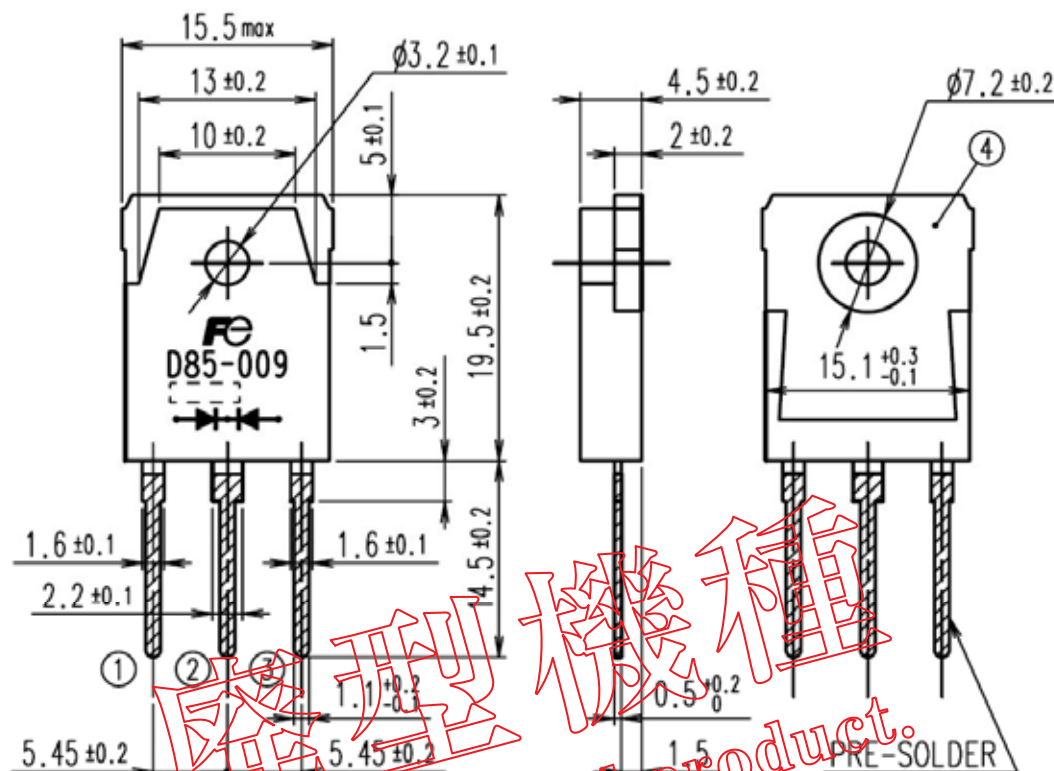
Note\*\*\* Rating per element

#### ● Mechanical characteristics

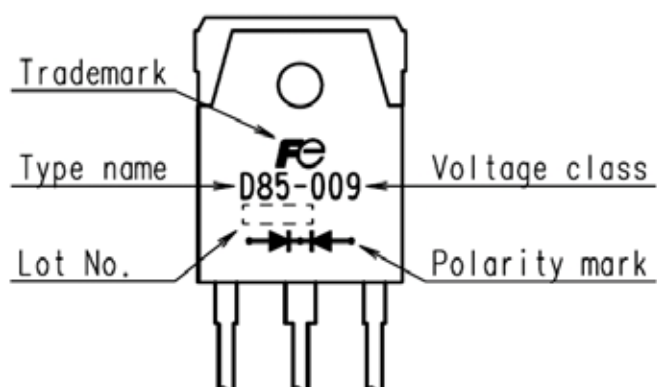
Item	Conditions	Maximum	Units
Mounting torque	Recommended torque	0.4 to 0.6	N•m
Approximate mass	-	5.5	g

■ Outline Drawings [mm]

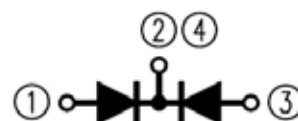
OUT VIEW



MARKING

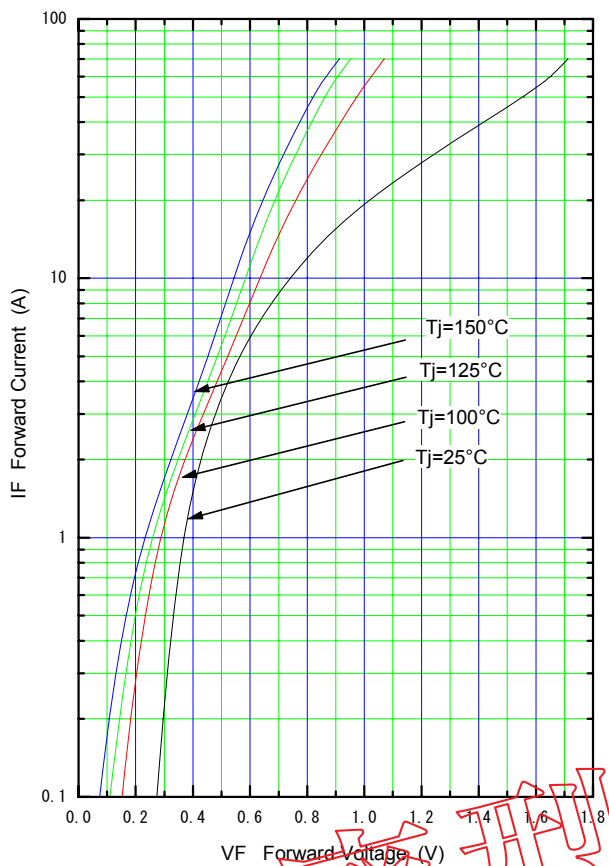


CONNECTION

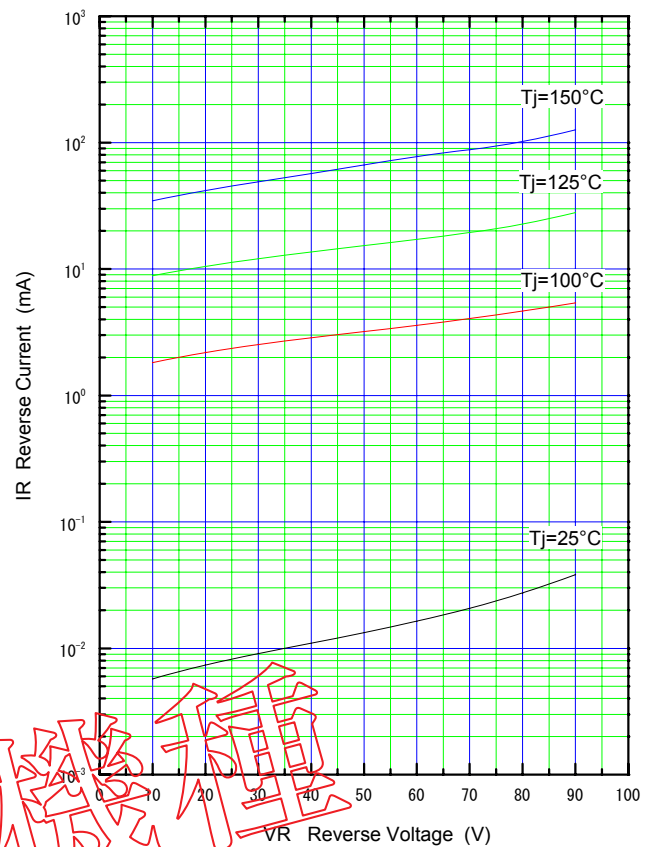


UNIT : mm

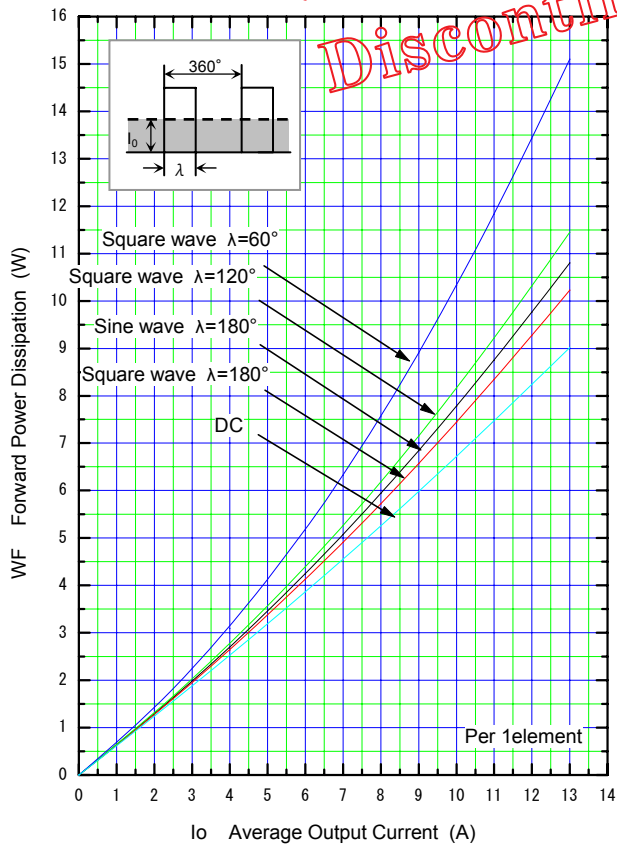
Forward Characteristic (typ.)



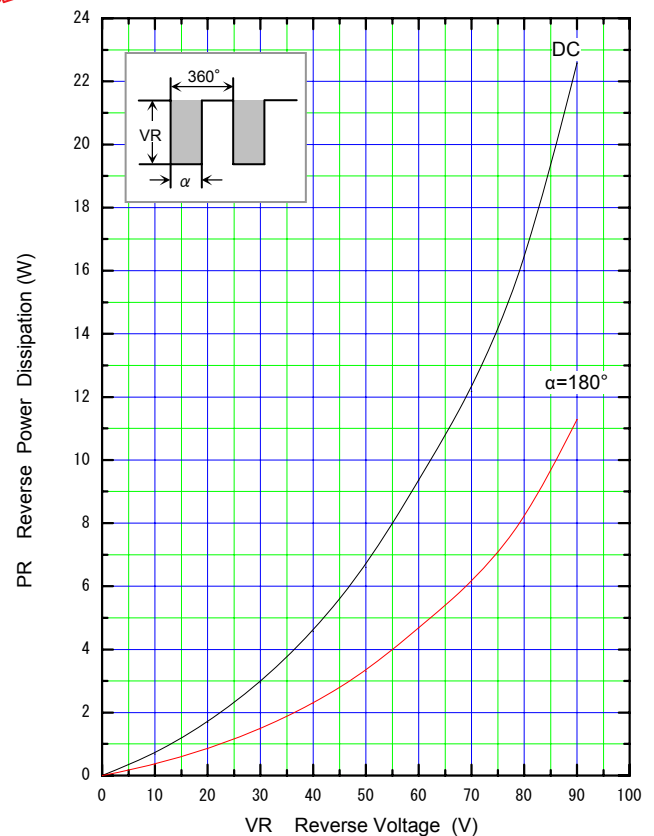
Reverse Characteristic (typ.)

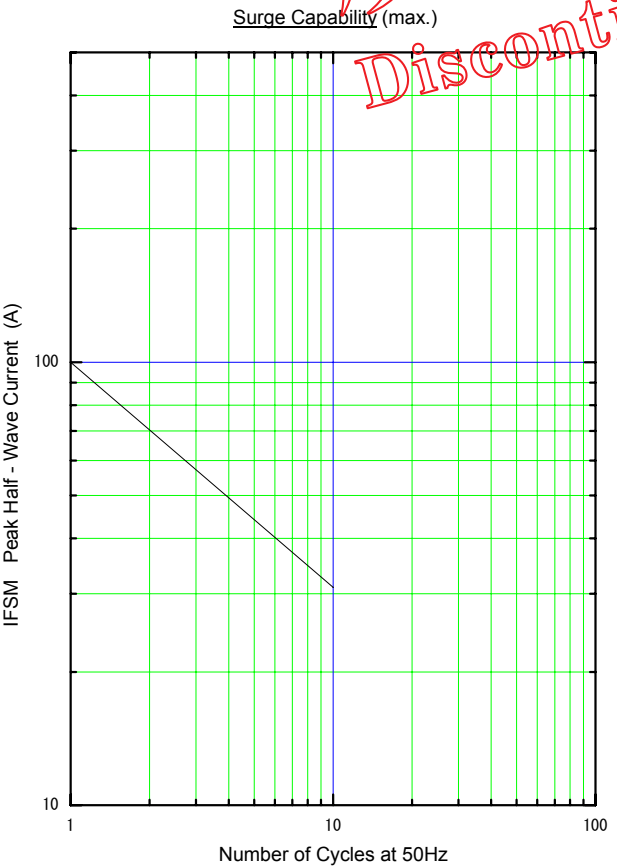
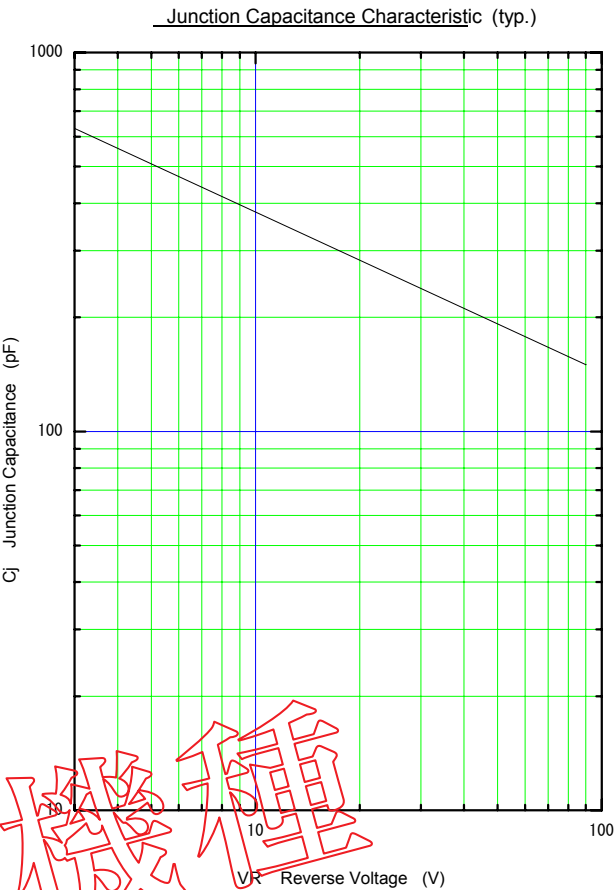
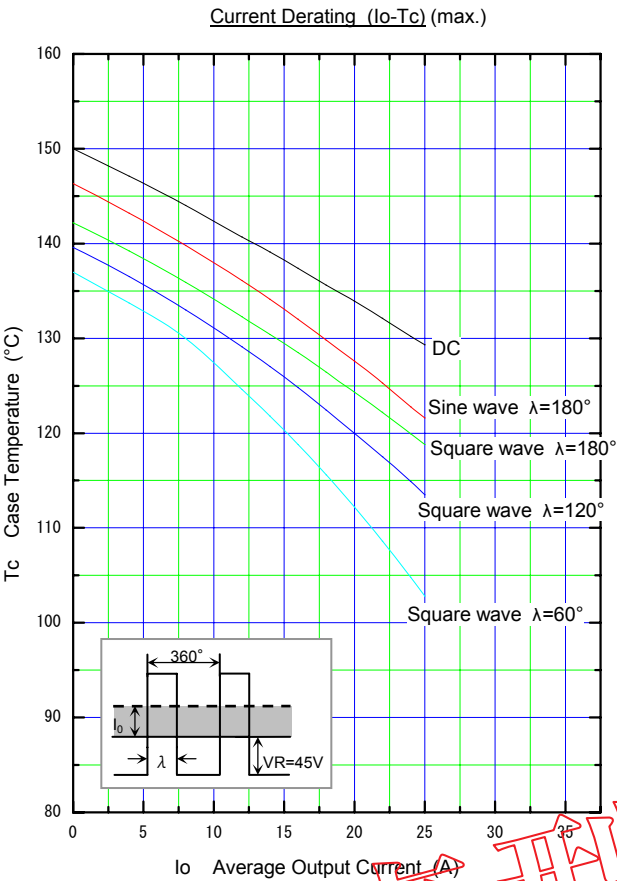


Forward Power Dissipation (max.)

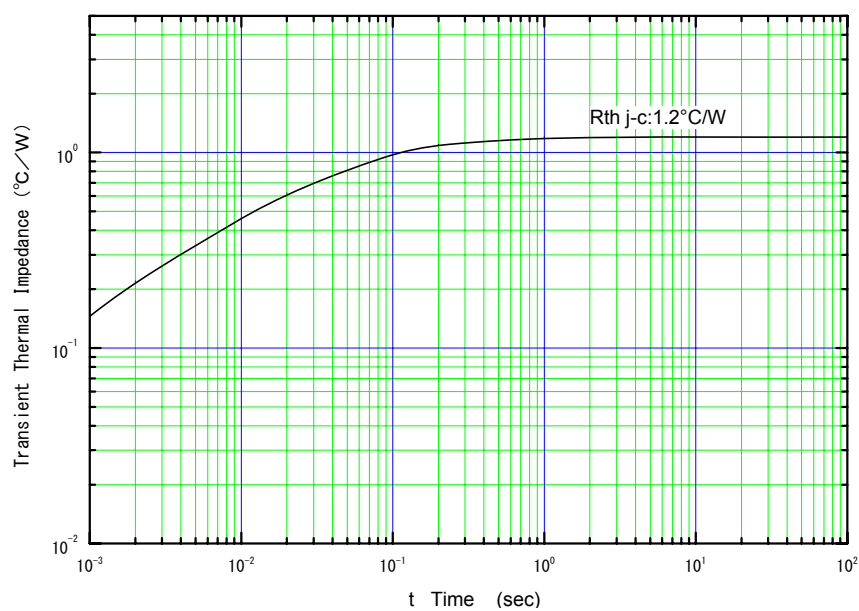


Reverse Power Dissipation (max.)





Transient Thermal Impedance (max.)



廢型機種  
Discontinued product.

**WARNING**

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  - Machine tools
  - Audiovisual equipment
  - Electrical home appliances
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