

# ESAD83M-006RR

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 reverse voltage	$V_{RRM}$	-	60	V
Isolating voltage	Viso	Terminals-to-Case, AC.1min	1500	V
Average output current	$I_O$	50Hz Square wave duty =1/2 Tc = 106°C	30 *	A
Non-repetitive forward surge current**	$I_{FSM}$	Sine wave, 10ms 1shot	120	A
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***	$V_F$	$I_F = 12.5 A$	0.58	V
Reverse current***	$I_R$	$V_R = V_{RRM}$	20	mA
Thermal resistance	Rth(j-c)	Junction to case	1.7	°C/W

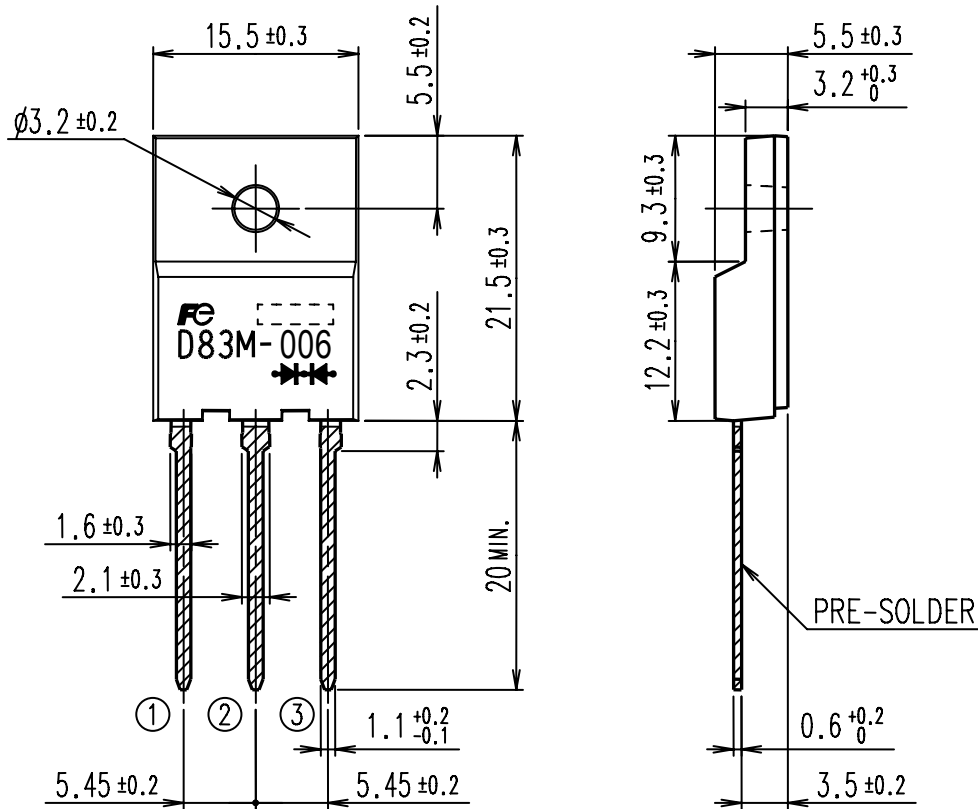
Note\*\*\* Rating per element

#### ● Mechanical characteristics

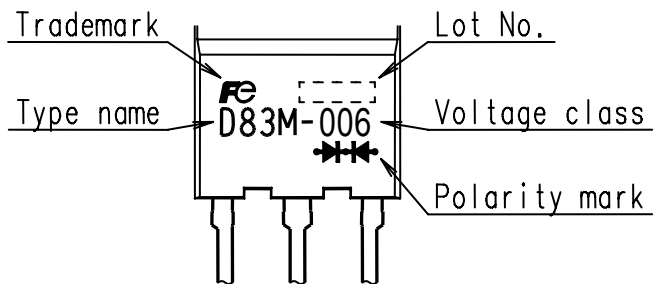
Item	Conditions	Maximum	Units
Mounting torque	Recommended torque	0.4 to 0.6	N•m
Approximate mass	-	6	g

■ Outline Drawings [mm]

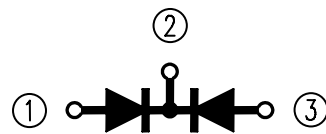
OUT VIEW



MARKING

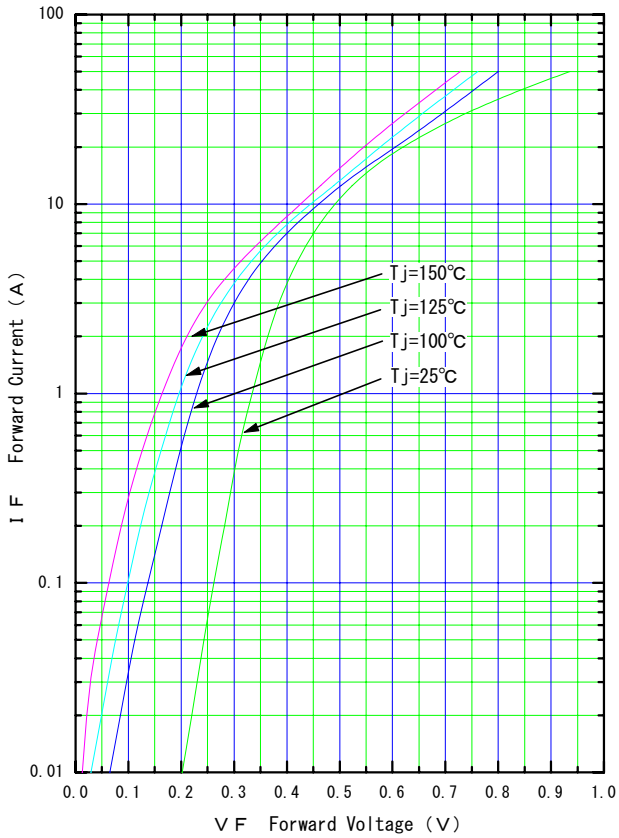


CONNECTION

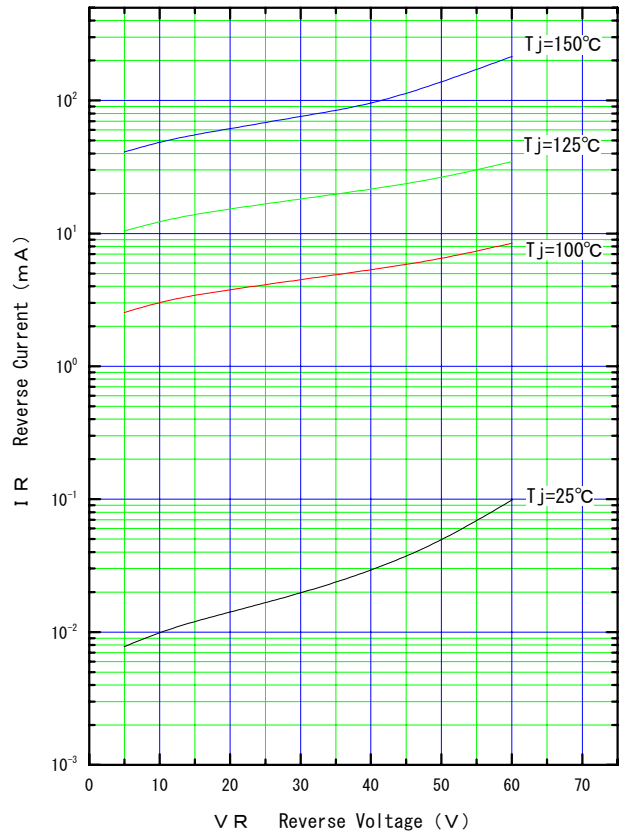


UNIT : mm

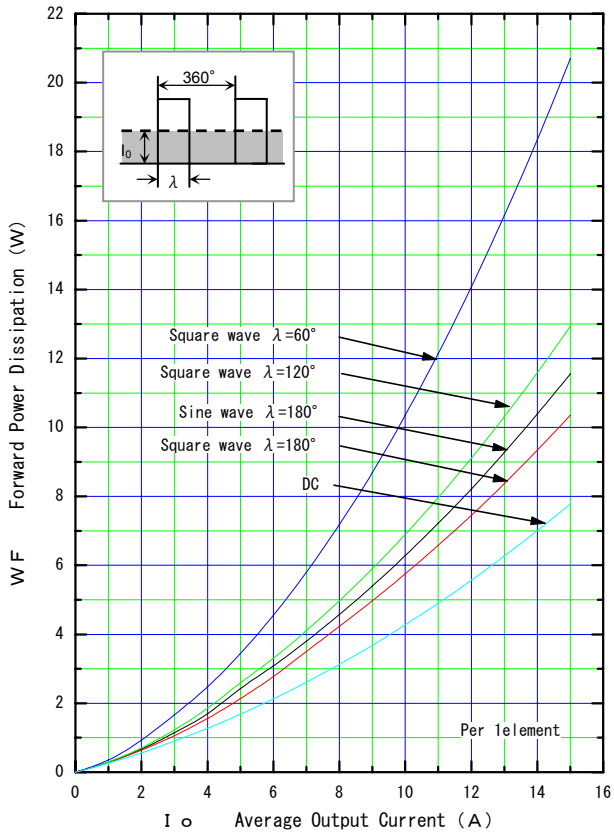
Forward Characteristic (typ.)



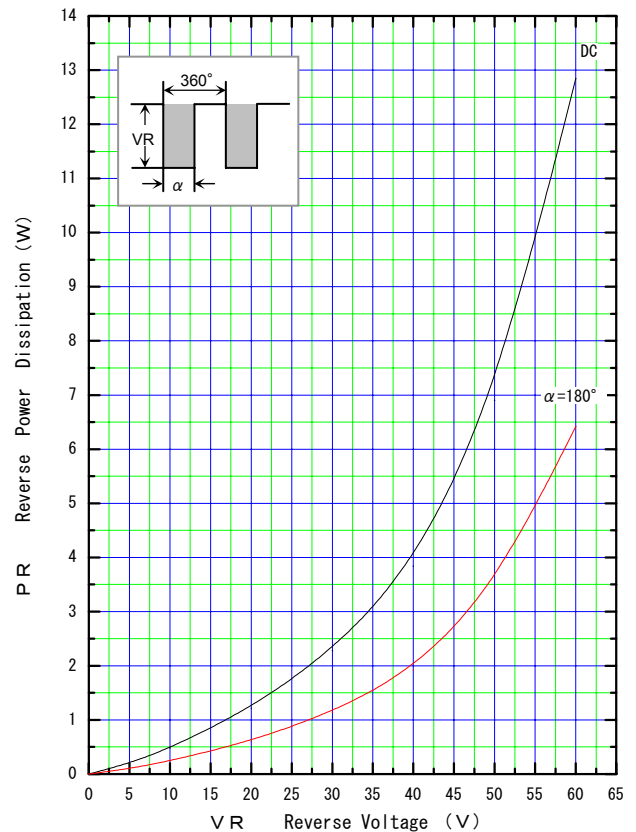
Reverse Characteristic (typ.)

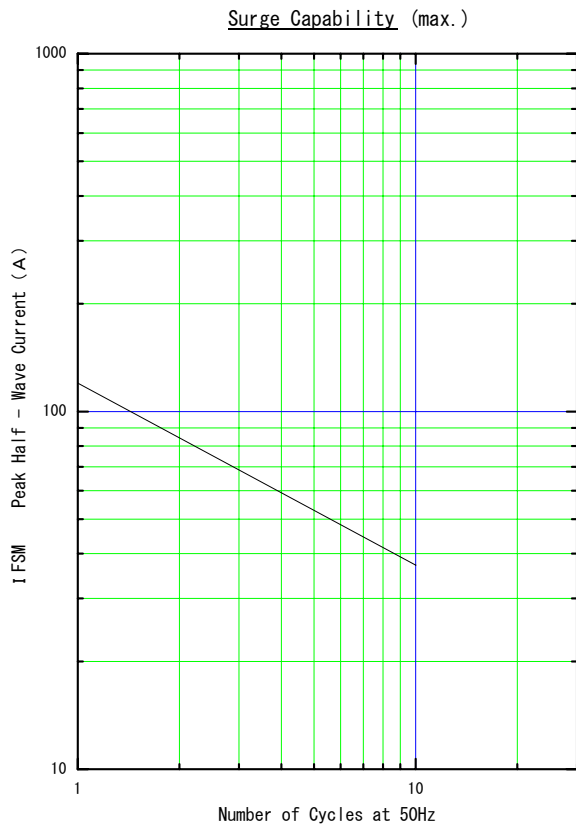
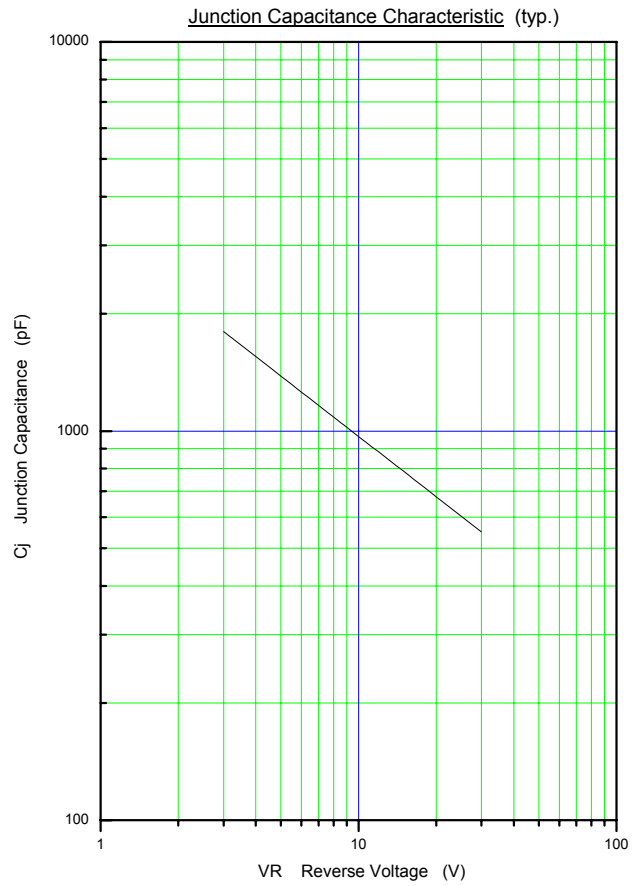
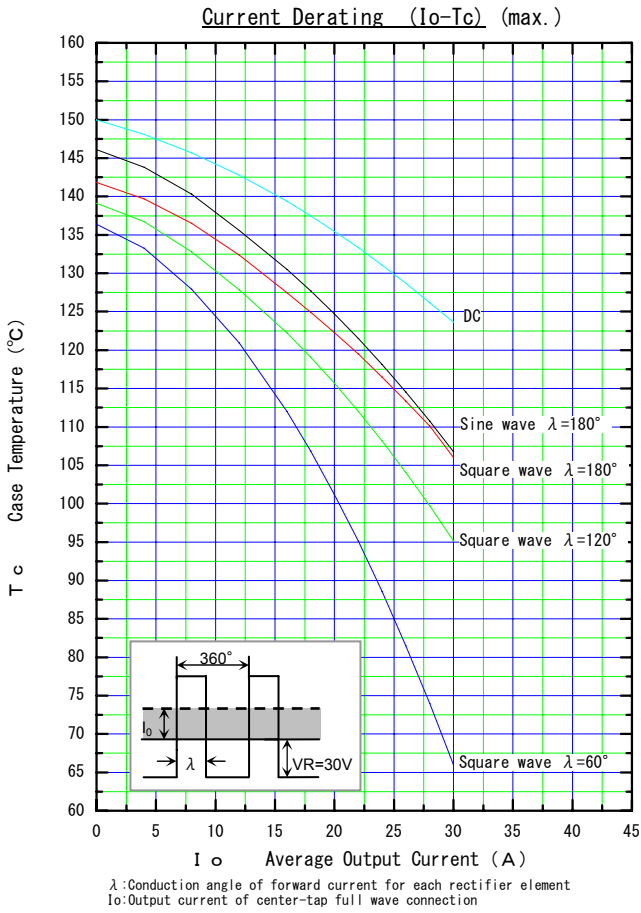


Forward Power Dissipation (max.)

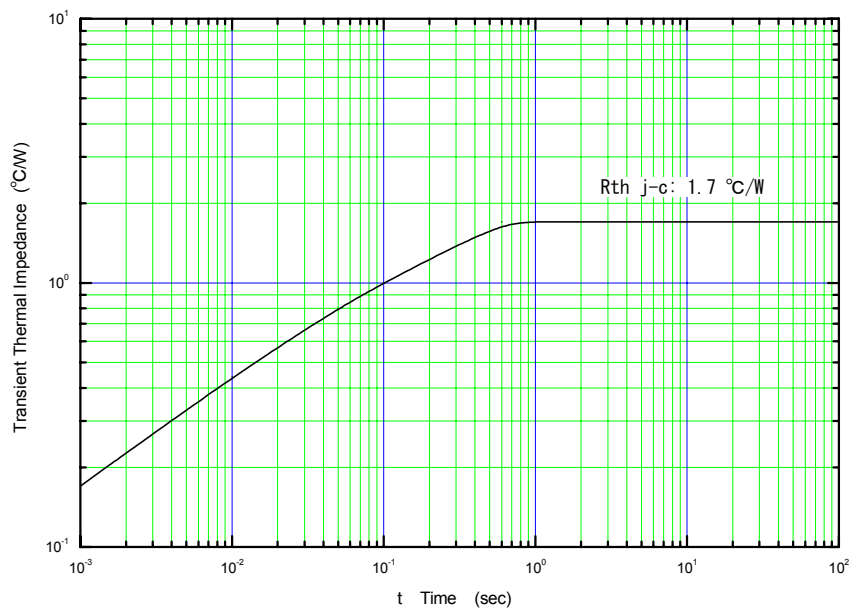


Reverse Power Dissipation (max.)





Transient Thermal Impedance (max.)



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  - Electrical home appliances
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