

# ESAC83M-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 <sub>RRM</sub>	-	60	V
Isolating voltage	Viso	Terminals-to-case, AC.1min	1500	V
Average output current	I <sub>O</sub>	50Hz Square wave duty =1/2 Tc = 108°C	20 *	A
Non-repetitive forward surge current**	I <sub>FSM</sub>	Sine wave, 10ms 1shot	120	A
Operating junction temperature	T <sub>J</sub>	-	150	°C
Storage temperature	T <sub>stg</sub>	-	-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 <sub>F</sub>	I <sub>F</sub> = 8A	0.58	V
Reverse current***	I <sub>R</sub>	V <sub>R</sub> = V <sub>RRM</sub>	15	mA
Thermal resistance	R <sub>th(j-c)</sub>	Junction to case	2.5	°C/W

Note\*\*\* Rating per element

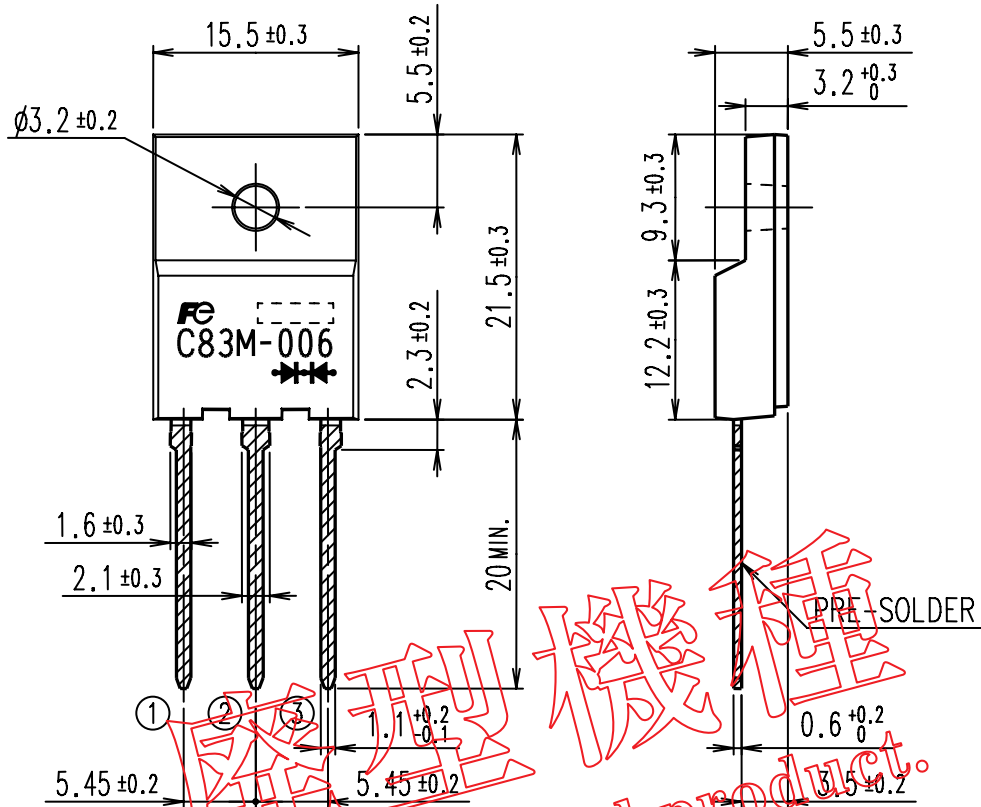
#### ● Mechanical characteristics

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

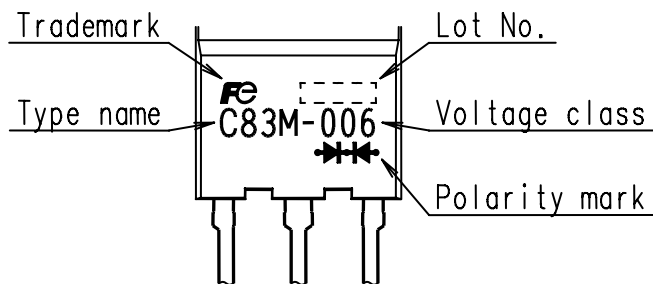
廢型機種  
 Discontinued product.

■ Outline Drawings [mm]

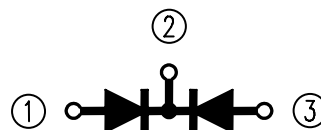
OUT VIEW



MARKING

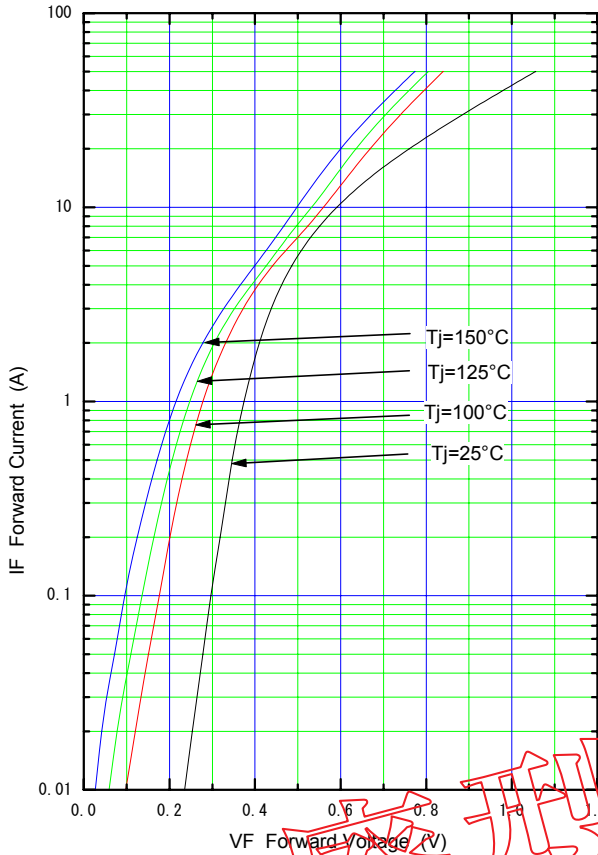


CONNECTION

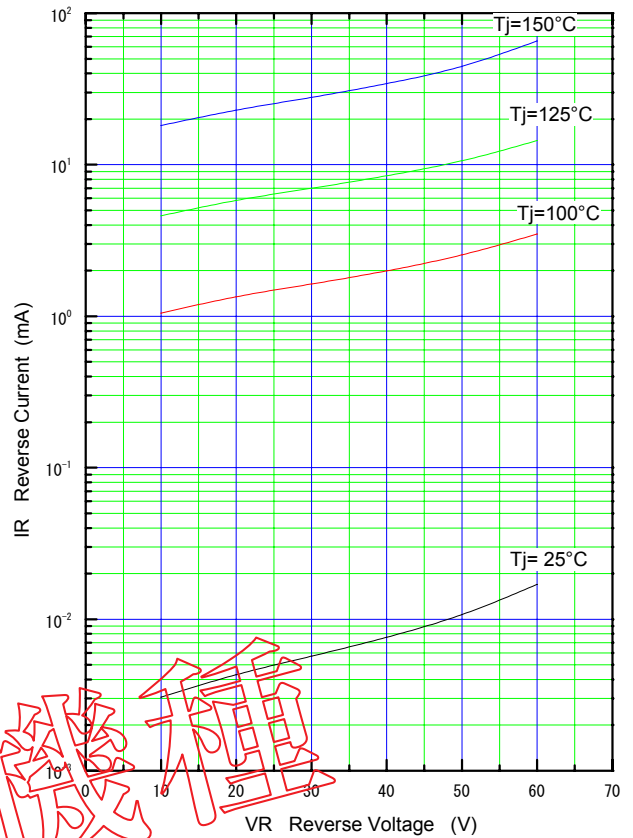


UNIT : mm

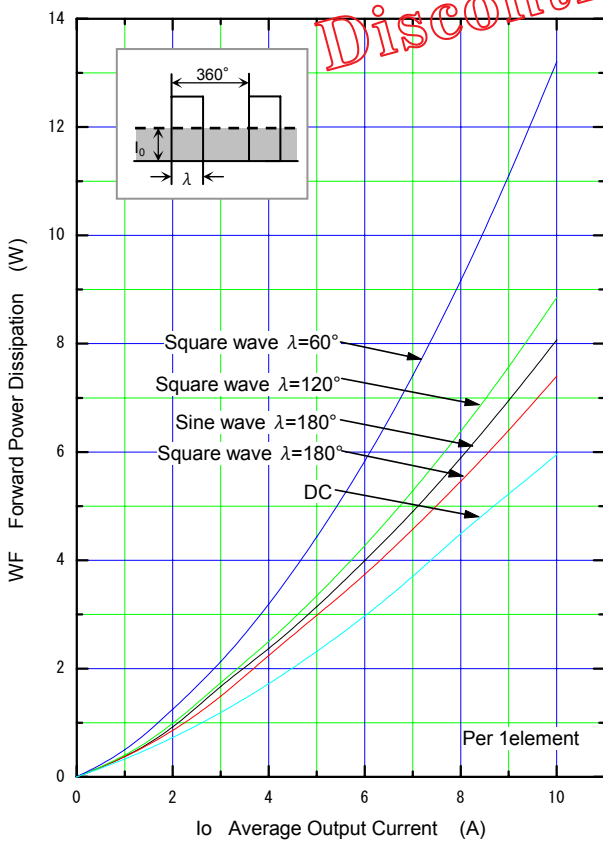
Forward Characteristic (typ.)



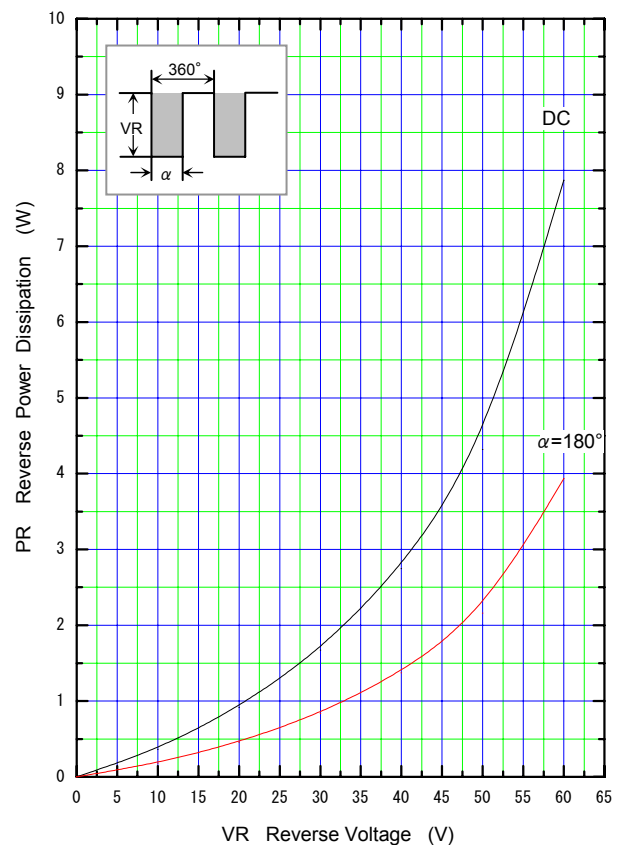
Reverse Characteristic (typ.)



Forward Power Dissipation (max.)

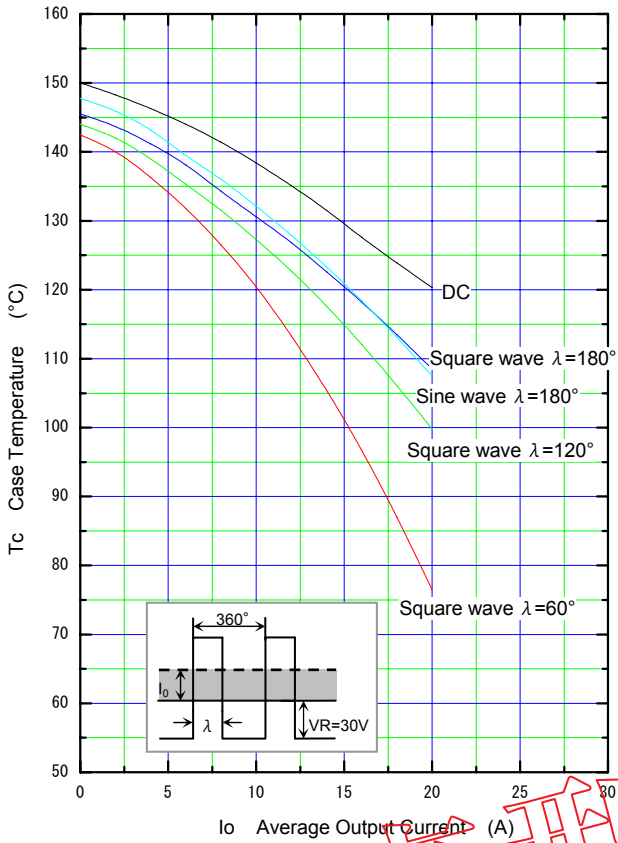


Reverse Power Dissipation (max.)



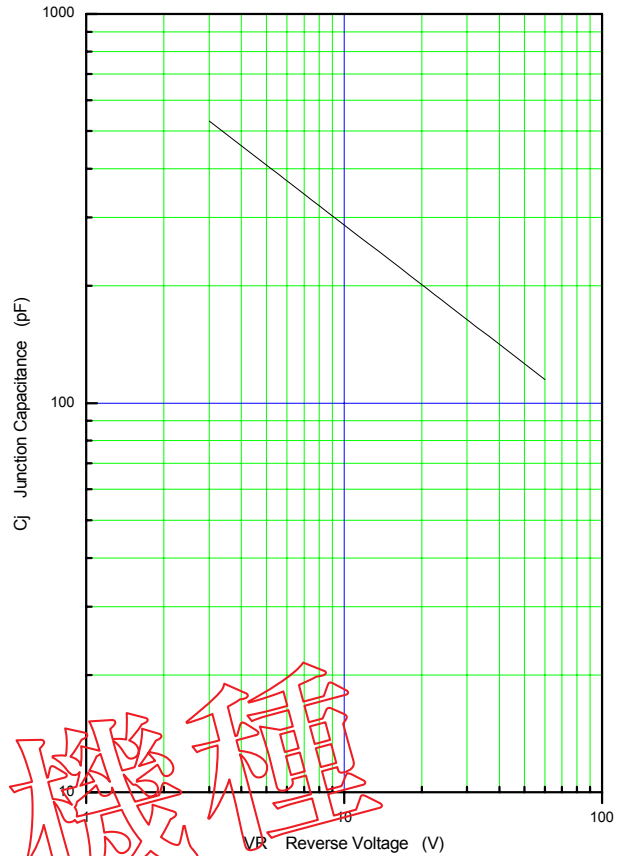
廢型機種  
Discontinued product.

Current Derating ( $I_o$ - $T_c$ ) (max.)

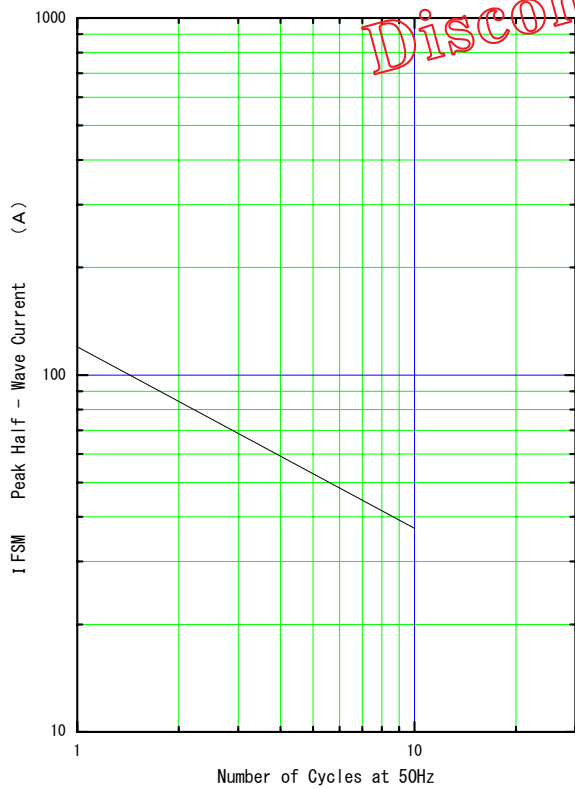


$\lambda$ : Conduction angle of forward current for each rectifier element  
 $I_o$ : Output current of center-tap full wave connection

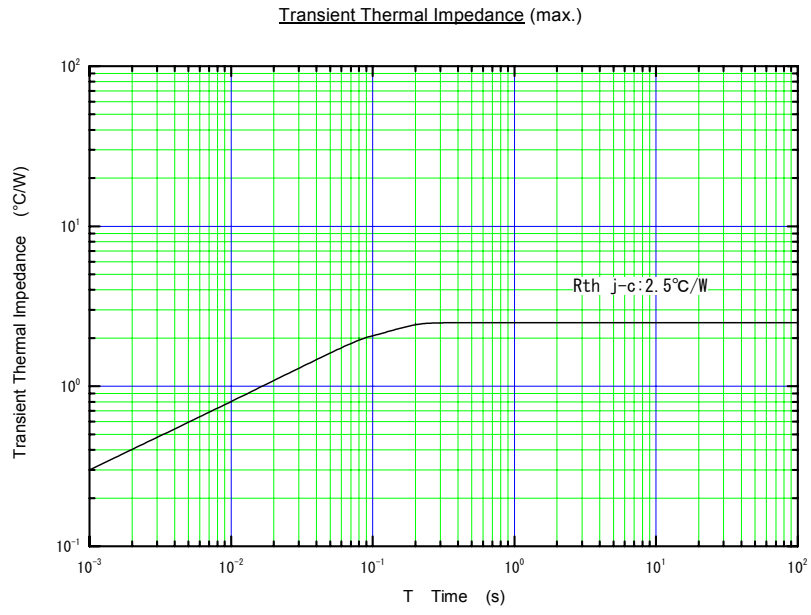
Junction Capacitance Characteristic (typ.)



Surge Capability (max.)



廃型機種  
Discontinued product.



廢型機種  
Discontinued product.

**WARNING**

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