

# **YA852C12R**

**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	Vrrm	-	120	V
Average output current	lo	50Hz Square wave duty =1/2 Tc = 128°C	10*	А
Non-repetitive forward surge current**	Ігѕм	Sine wave, 10ms 1shot	55	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.)

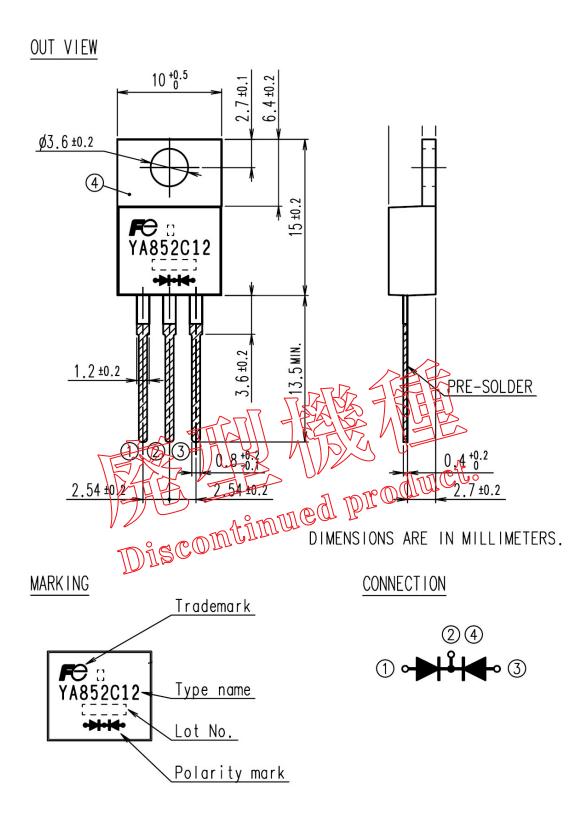
Item	Symbols	Conditions	Maximum	Units
Forward voltage***	VF	I <sub>F</sub> = 5 A	0.93	V
Reverse current***	IR	VR=VRRM	150	μA
Thermal resistance	Rth(J-c)	Junction to case	2.0	°C/W

Note\*\*\* Rating per element

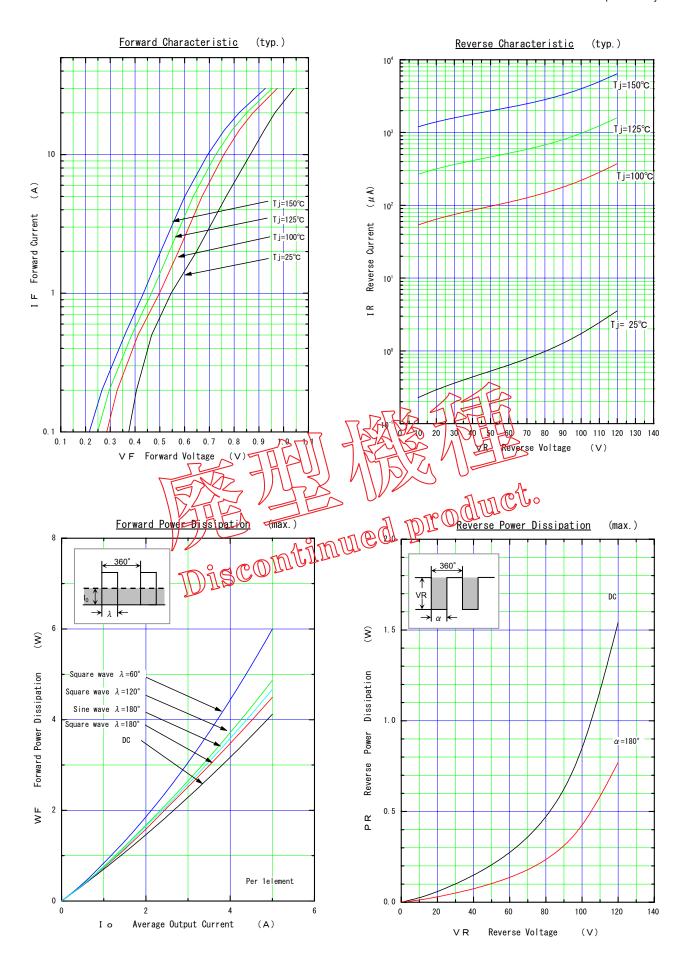
Mechanical characteristics

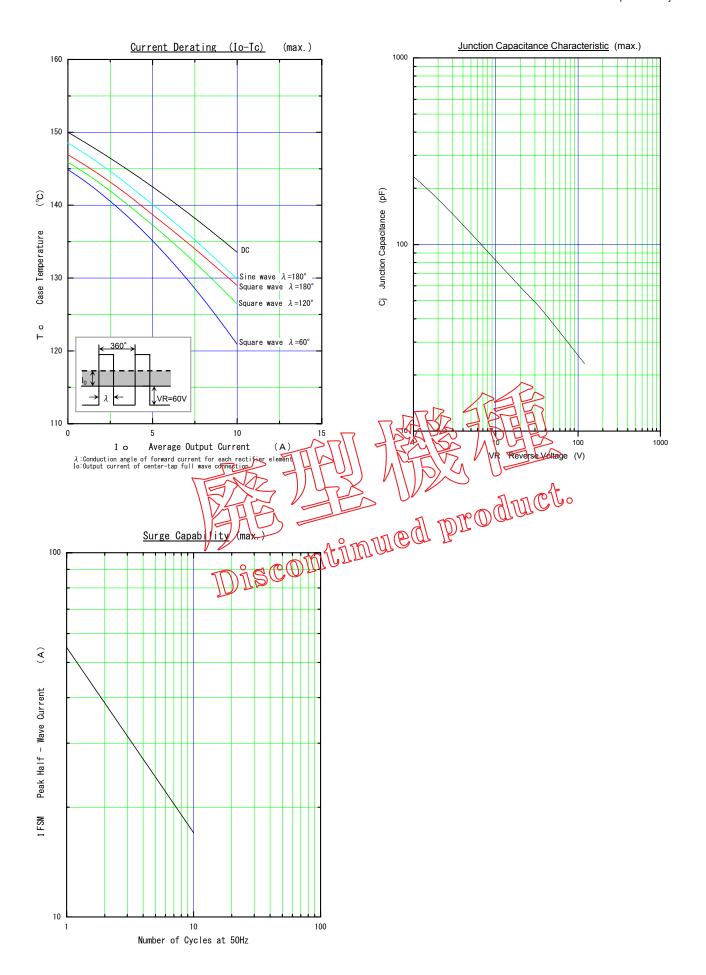
Item	MIR S		Conditions	Maximum	Units
Mounting torque		2510	Recommended torque	0.3 to 0.5	N•m
Approximate mass		mat in much	9922	2.0	g
	Disco	III			

#### ■ Outline Drawings [mm]

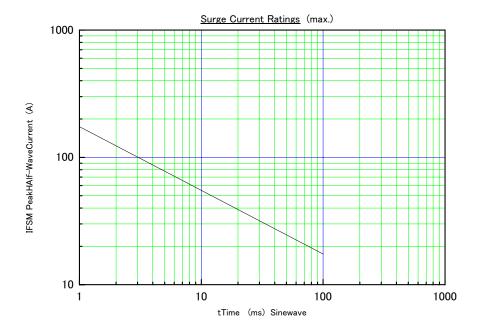


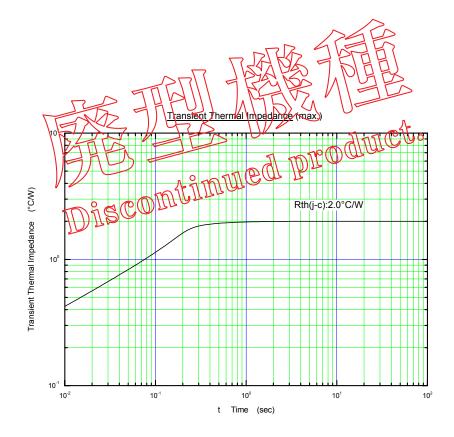
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- Measurement equipment

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- Personal equipment
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• Traffic-signal control equipment

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- Safety devices

- Medical equipment
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