

# YA872C20R (200V, 10A)

#### FUJI Diode

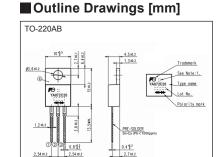
## **Ultra Low IR Schottky Barrier Diode**

### Features

- Ultra Low IR
- Low VF
- Tj MAX = 175°C
- · High reliability at higher temperatures

#### Applications

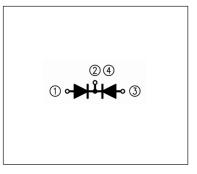
- High frequency operation
- DC-DC converters
- AC adapter



Note:1

Country of origin mark. "P" is Made in PHILIPPINES.

#### Connection diagram



### Maximum Ratings and Characteristics

#### • Maximum ratings (at Ta=25°C Unless otherwise specified)

Item	Symbols	Conditions	Ratings	Units
Repetitive peak reverse voltage	Vrrm		200	V
Average output current	lo	50Hz Square wave duty =1/2 Tc =157°C	10 *	A
Non-repetitive surge current **	IFSM	Sine wave, 10ms 1shot	125	A
Operating junction temperature	Tj		175	°C
Storage temperature	Tstg		-40 to +175	°C

\*Out put current of center tap full wave connection.

\*\*Rating per element

#### • Electrical characteristics (at Ta=25°C Unless otherwise specified)

Item	Symbols	Conditions	Maximum	Units
Forward voltage***	VF	I⊧ = 5 A	0.89	V
Reverse current***	IR	V <sub>R</sub> =V <sub>RRM</sub>	15	μA
Thermal resistance	Rth(j-c)	Junction to case	2	°C/W

\*\*\*Rating per element

#### Mechanical characteristics

Item	Conditions	Ratings	Units
Mounting torque	Recommended torque	0.3 to 0.5	N•m
Approximate mass		2.0	g

2

1

0

0

1

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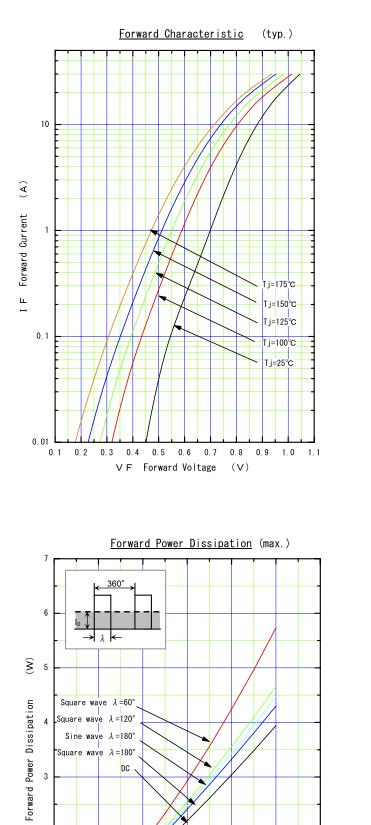
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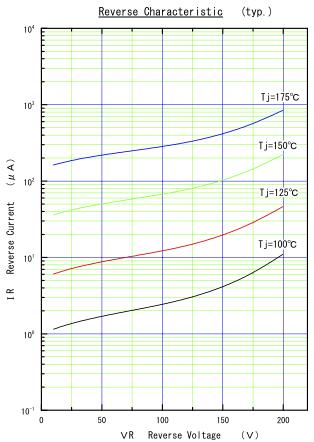
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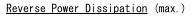
Average Forward Current

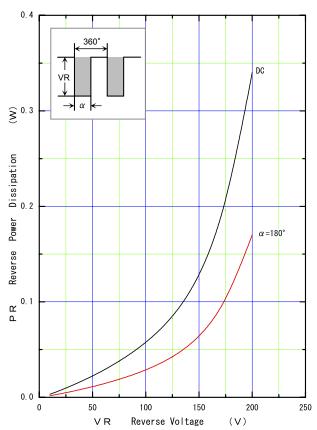
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http://www.fujisemi.com









Per 1element

5

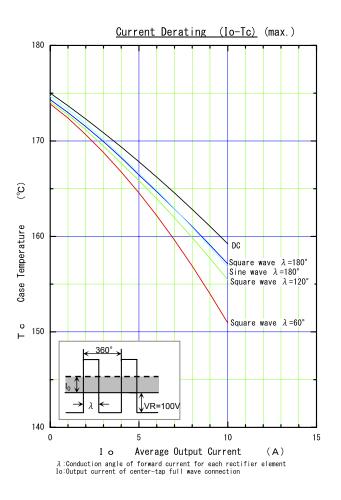
(A)

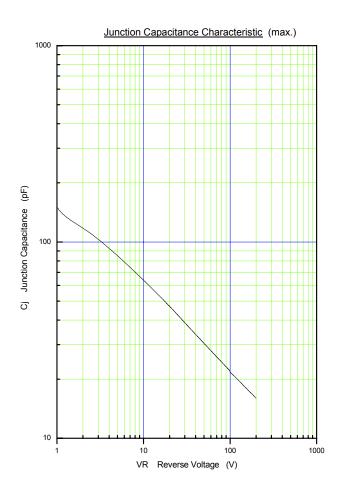
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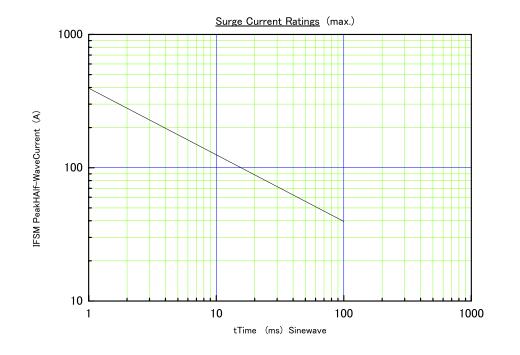
FUJI Diode

http://www.fujisemi.com

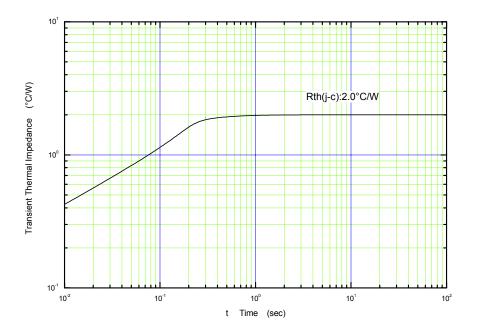




Surge Capability (max.)



#### Transient Thermal Impedance (max.)



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