

YA875C20R (200V, 20A)

FUJI Diode

Ultra Low IR Schottky Barrier Diode

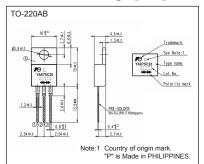
■ Features

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

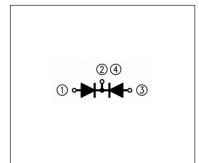
Applications

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

■ Outline Drawings [mm]



■ 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 =141°C	20 *	А
Non-repetitive surge current **	IFSM	Sine wave, 10ms 1shot	145	А
Operating junction temperature	T j		175	°C
Storage temperature	Tstg		-40 to +175	°C

^{*}Out put current of center tap full wave connection.

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

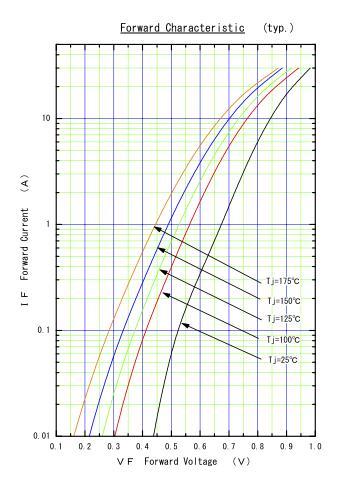
Item	Symbols	Conditions	Maximum	Units
Forward voltage***	VF	I _F = 10 A	0.93	V
Reverse current***	IR	V _R =V _{RRM}	20	μA
Thermal resistance	Rth(j-c)	Junction to case	1.75	°C/W

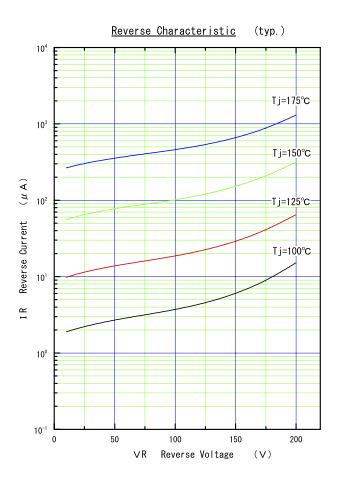
^{***}Rating per element

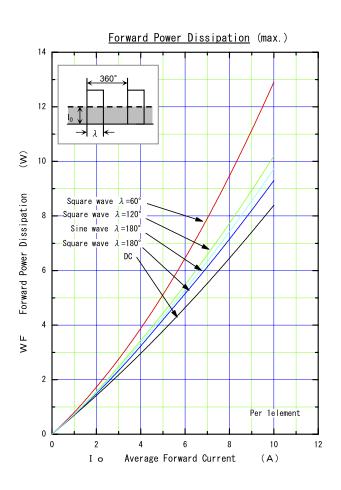
Mechanical characteristics

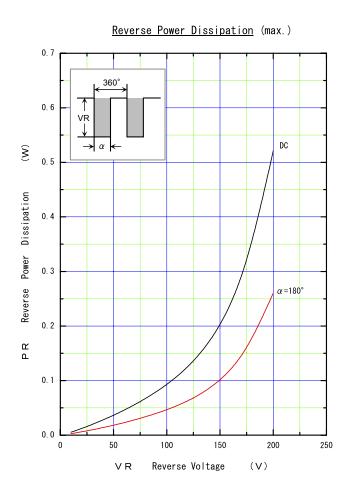
Item	Conditions	Ratings	Units
Mounting torque	Recommended torque	0.3 to 0.5	N•m
Approximate mass		2.0	g

^{**}Rating per element

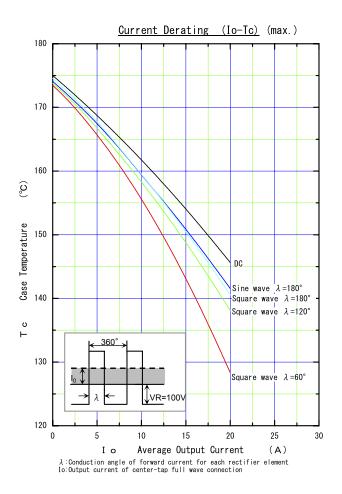


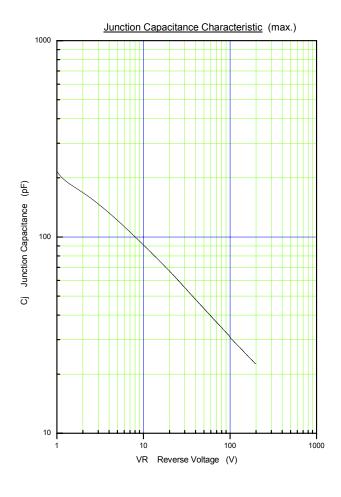


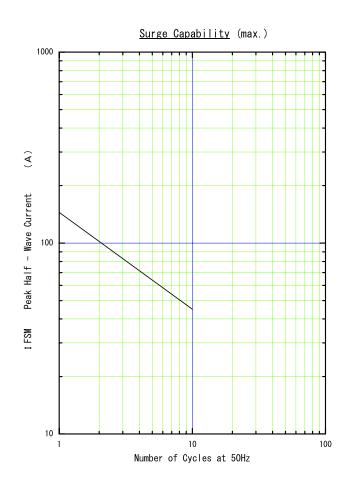


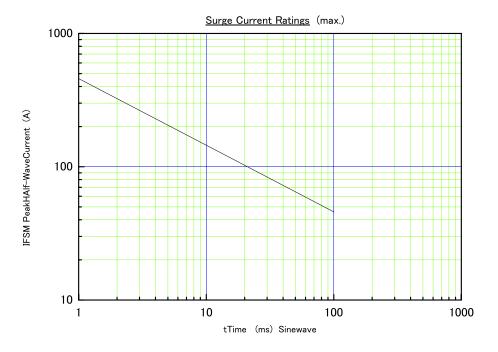


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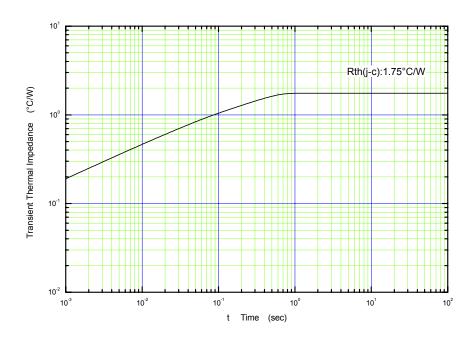








Transient Thermal Impedance (max.)



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WARNING

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 OA equipment
- Communications equipment (terminal devices)
- Measurement equipment

- Machine tools
- Audiovisual equipment
- Electrical home appliances Personal e
 - Personal equipment Industrial robots etc.
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• Traffic-signal control equipment

- Gas leakage detectors with an auto-shut-off feature
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- Safety devices

- Medical equipment
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