

YG872C12R (120V, 10A)

FUJI Diode

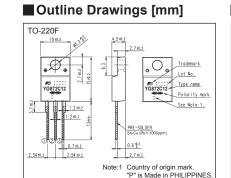
Ultra Low IR Schottky Barrier Diode

Features

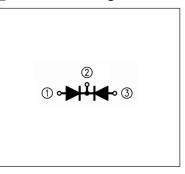
- Ultra Low IR
- Low VF
- Tj MAX = 175°C
- · High reliability at higher temperatures

Applications

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



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		120	V
Isolating voltage	Viso	Terminals-to-case, AC.1min	1500	V
Average output current	lo	50Hz Square wave duty =1/2 Tc =146°C	10 *	A
Non-repetitive surge current **	IFSM	Sine wave, 10ms 1shot	125	А
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)

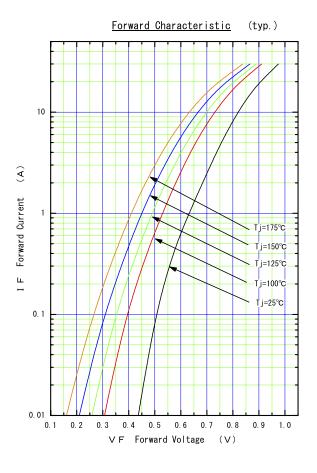
Item	Symbols	Conditions	Maximum	Units
Forward voltage***	VF	IF = 5 A	0.84	V
Reverse current***	IR	Vr =Vrrm	15	μA
Thermal resistance	Rth(j-c)	Junction to case	3.5	°C/W

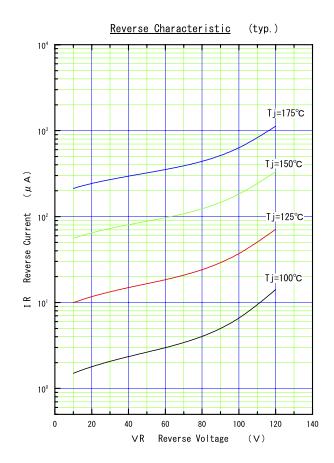
***Rating per element

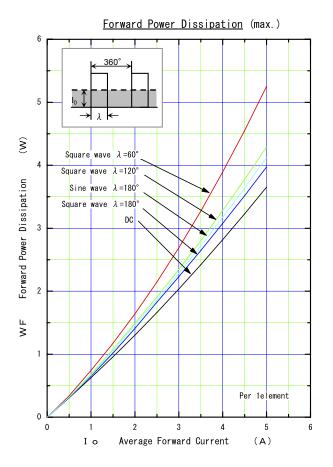
Mechanical characteristics

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

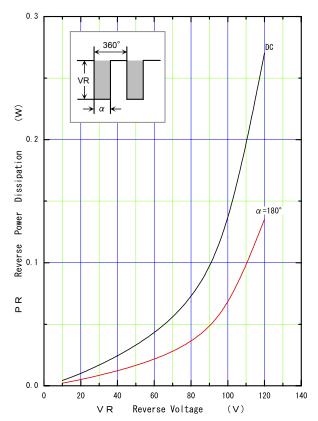
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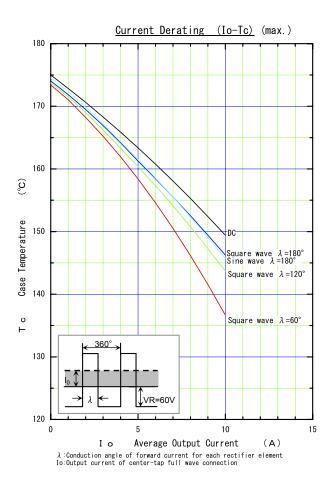


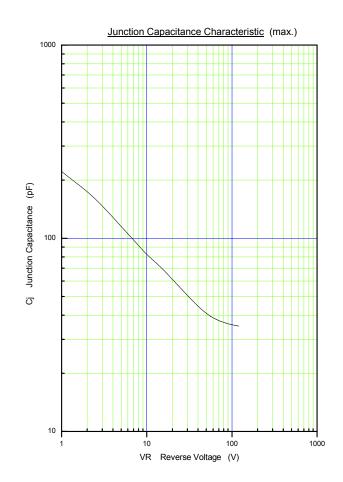
<u>Reverse Power Dissipation</u> (max.)



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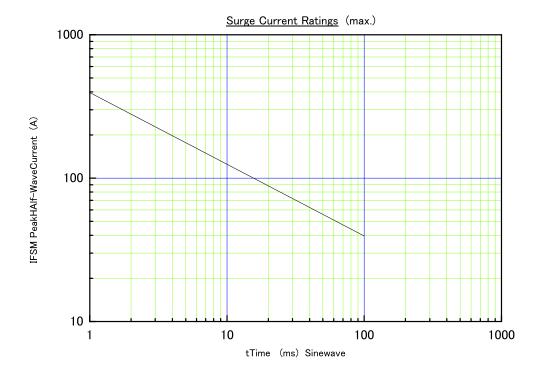
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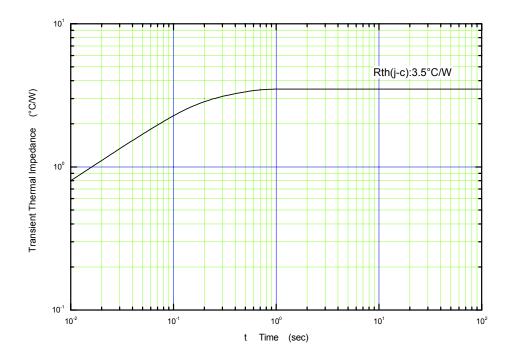


Surge Capability (max.)

3



Transient Thermal Impedance (max.)



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