

# PG865C15R (150V, 20A)

**FUJI Diode** 

# Low IR Schottky Barrier Diode

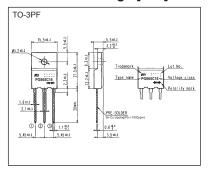
#### ■ Features

- Low IR
- Low VF
- Center tap connection

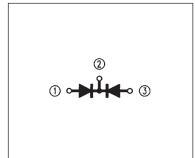
#### Applications

- · 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	V <sub>RRM</sub>		150	V
Isolating voltage	Viso	Terminals-to-case,AC.1min	1500	V
Average output current	lo	Square wave duty =1/2 Tc =80°C	20 *	А
Non-repetitive surge current **	IFSM	Sine wave, 10ms 1shot	150	А
Operating junction temperature	T <sub>j</sub>		150	°C
Storage temperature	Tstg		-40 to +150	°C

<sup>\*</sup>Out put current of center tap full wave connection.

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

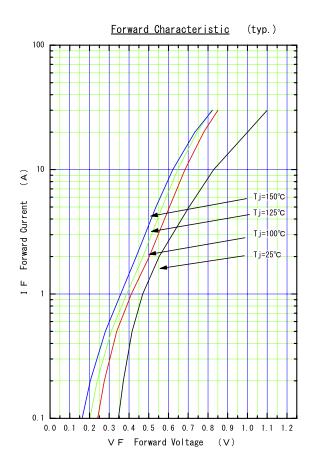
Item	Symbols	Conditions	Maximum	Units
Forward voltage***	VF	I <sub>F</sub> = 10 A	0.9	V
Reverse current***	IR	V <sub>R</sub> =V <sub>RRM</sub>	150	μA
Thermal resistance	Rth(j-c)	Junction to case	2.5	°C/W

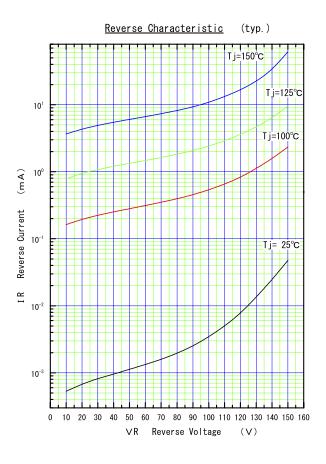
<sup>\*\*\*</sup>Rating per element

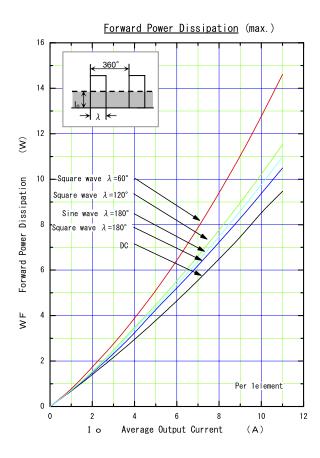
# Mechanical characteristics

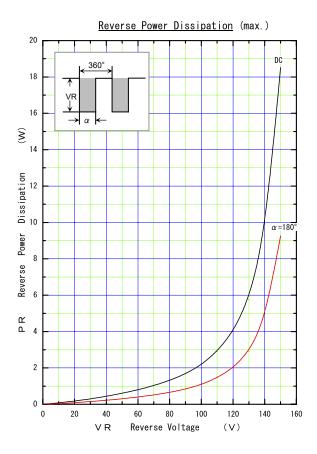
Item	Conditions	Ratings	Units
Approximate mass		6.0	g

<sup>\*\*</sup>Rating per element

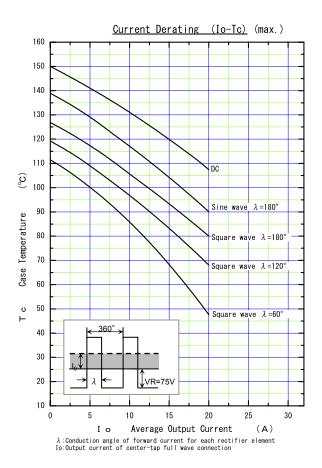


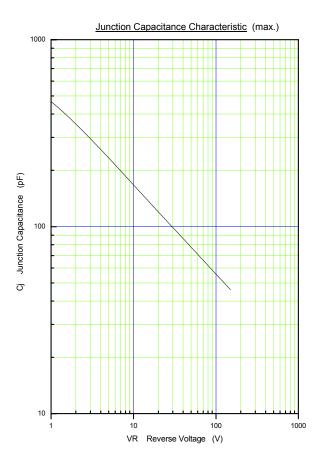


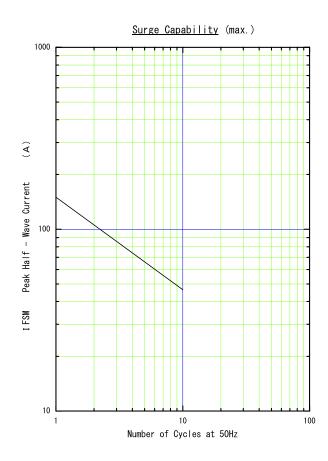




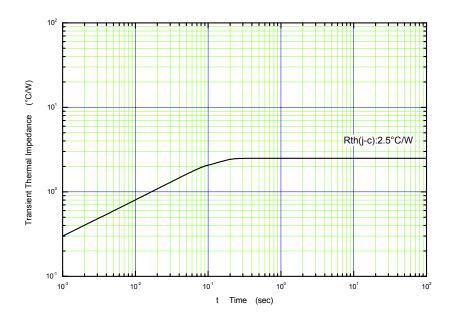
http://www.fujisemi.com







# Transient Thermal Impedance (max.)



http://www.fujisemi.com

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- Communications equipment (terminal devices)
- Measurement equipment

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- Audiovisual equipment
- Electrical home appliances Personal equipment
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• Traffic-signal control equipment

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