

# YG864S06R

**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	-	60	V
Isolating voltage	Viso	Terminals-to-case, AC.1min	1500	V
Average forward current	IFAV	50Hz Square wave duty =1/2 Tc = 101°C	15	Α
Non-repetitive forward surge current	IFSM	Sine wave, 10ms 1shot	160	Α
Operating junction temperature	Tj	-	150	°C
Storage temperature	Tstg	-	-40 to +150	°C

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

Item	Symbols	Conditions	Maximum	Units
Forward voltage	VF	I <sub>F</sub> =15 A	0.74	V
Reverse current	l <sub>R</sub>	V <sub>R</sub> =V <sub>RRM</sub>	200	μA
Thermal resistance	Rth(j-c)	Junction to case	3.5	°C/W

#### Mechanical characteristics

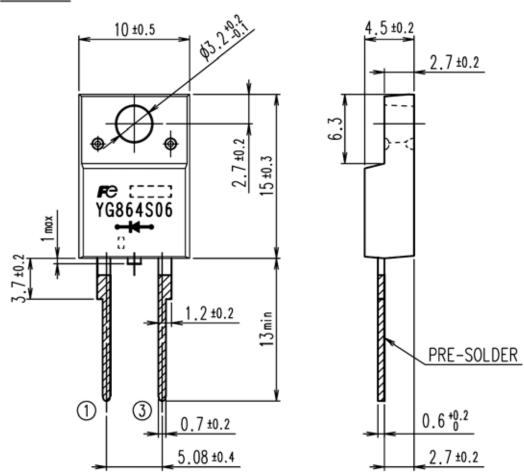
Item	Conditions	Maximum	Units
Mounting torque	Recommended torque	0.3 to 0.5	N•m
Approximate mass	-	1.7	g

YG864S06R FUJI Diode

http://www.fujisemi.com

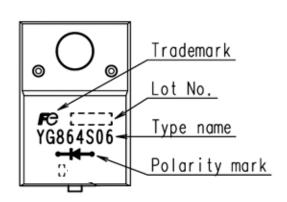
#### ■ Outline Drawings [mm]

## OUT VIEW



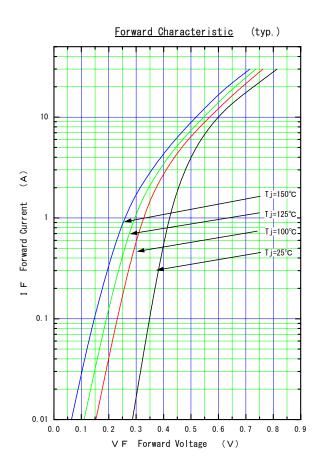
DIMENSIONS ARE IN MILLIMETERS.

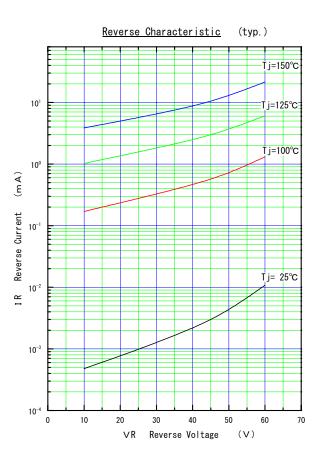
### MARKING

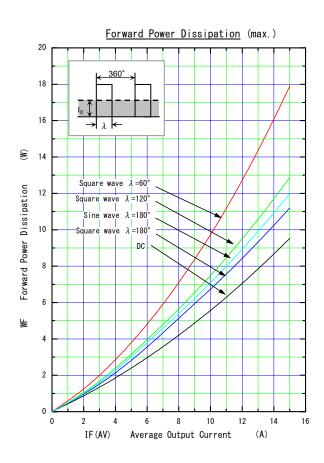


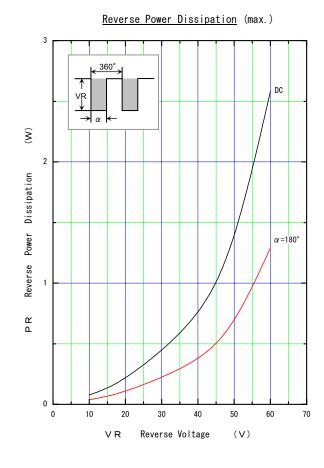
## CONNECTION

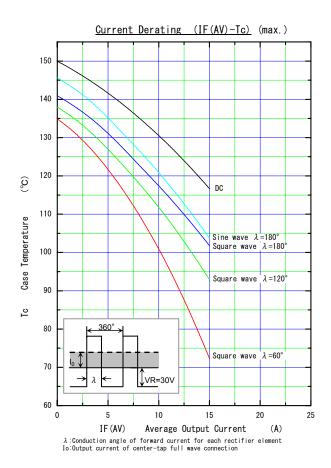


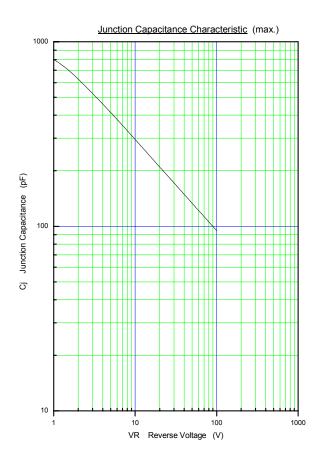


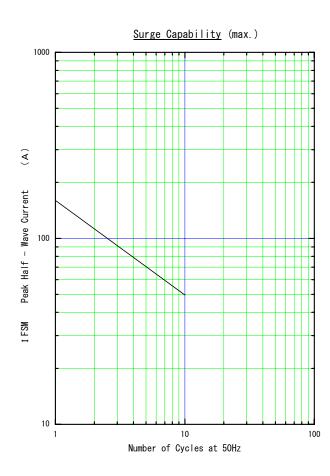


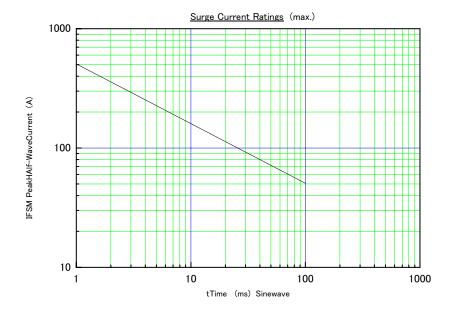


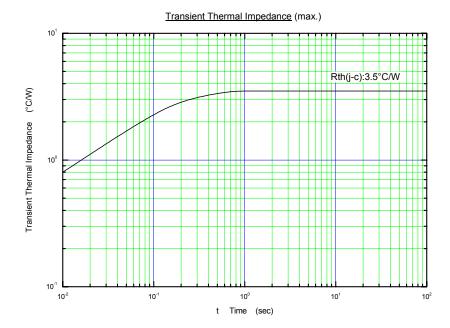












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- Communications equipment (terminal devices)
- Measurement equipment

- Machine tools
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- Personal equipment
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• Traffic-signal control equipment

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- Safety devices

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