

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	V _{RRM}	-	60	V
Isolating voltage	V _{iso}	Terminals-to-case, AC. 1min	1500	V
Average forward current	I _{FAV}	50Hz Square wave duty =1/2 Tc = 101°C	15	A
Non-repetitive forward surge current	I _{FSM}	Sine wave, 10ms 1shot	160	A
Operating junction temperature	T _J	-	150	°C
Storage temperature	T _{stg}	-	-40 to +150	°C

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

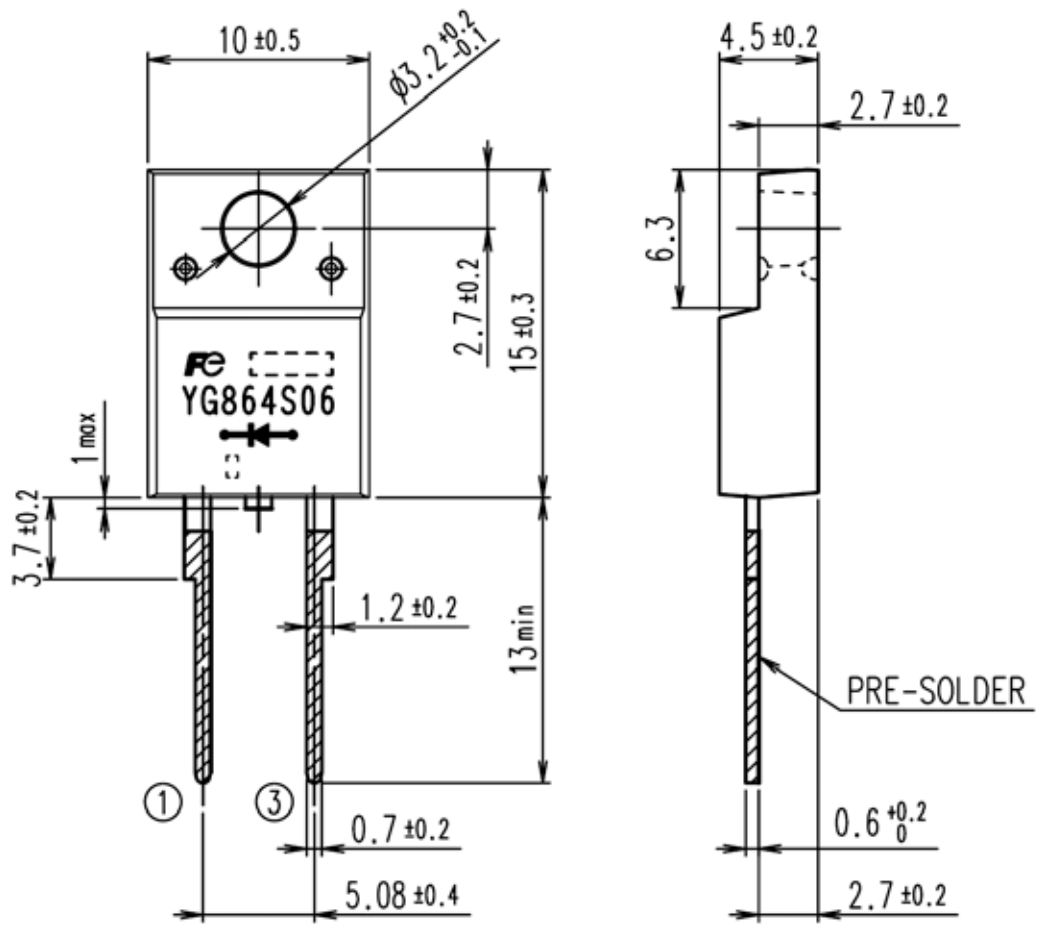
Item	Symbols	Conditions	Maximum	Units
Forward voltage	V _F	I _F =15 A	0.74	V
Reverse current	I _R	V _R =V _{RRM}	200	μA
Thermal resistance	R _{th(j-c)}	Junction to case	3.5	°C/W

● Mechanical characteristics

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

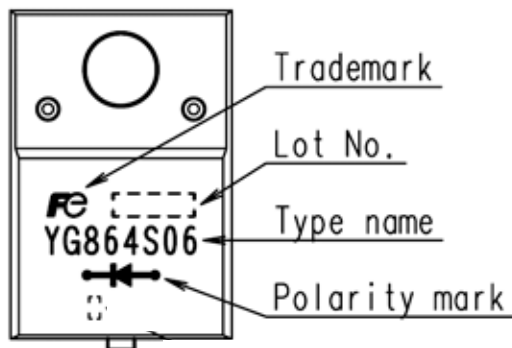
■ Outline Drawings [mm]

OUT VIEW



DIMENSIONS ARE IN MILLIMETERS.

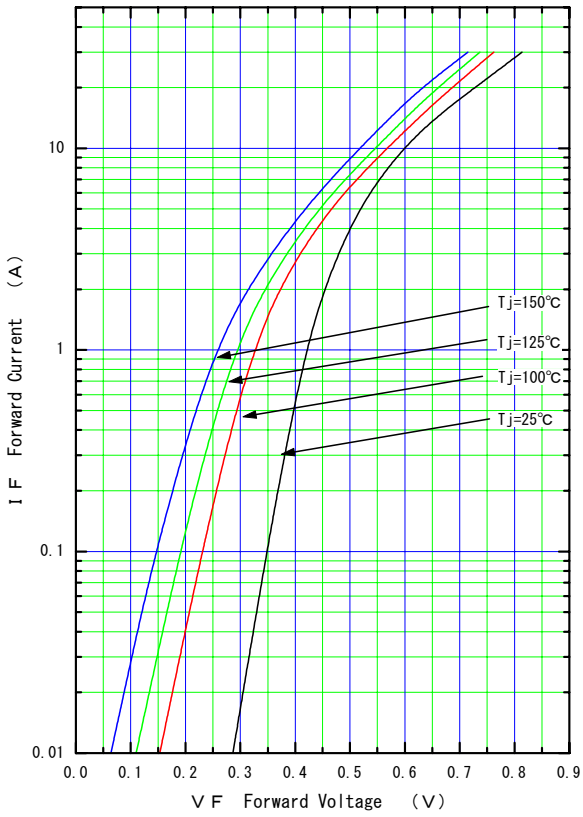
MARKING



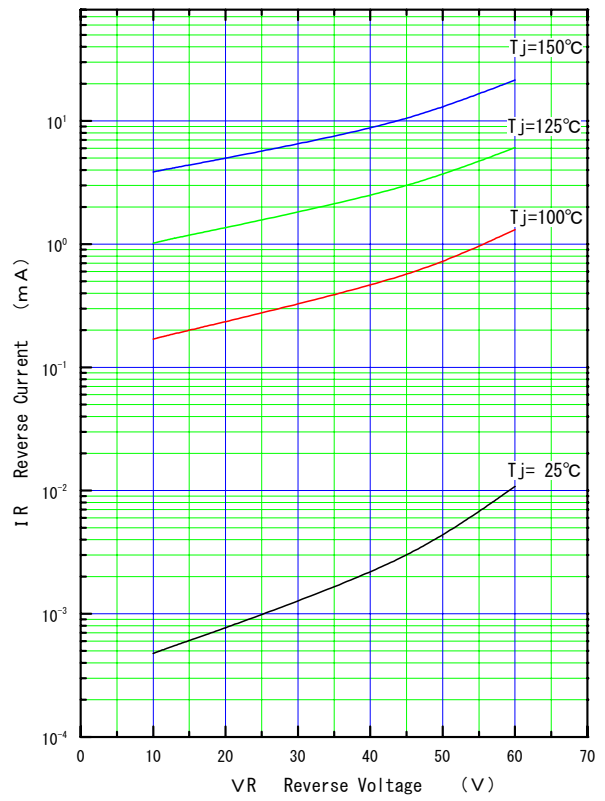
CONNECTION



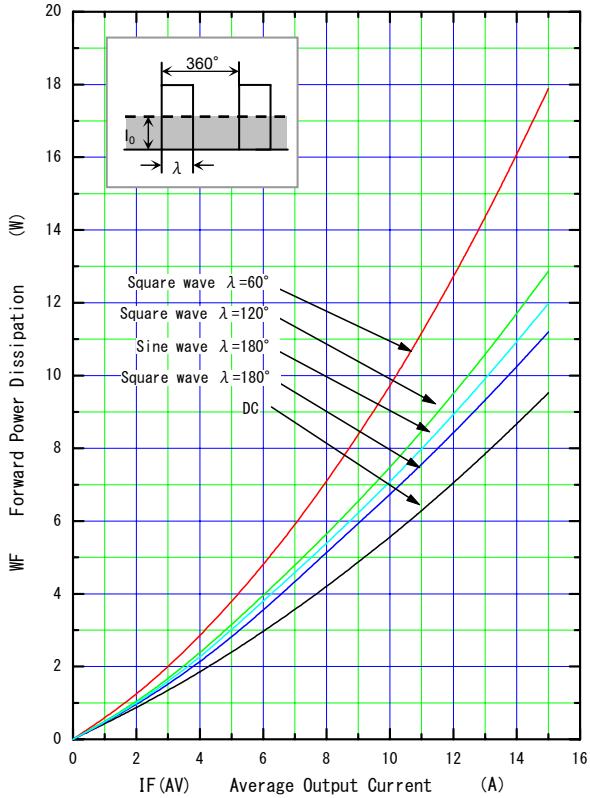
Forward Characteristic (typ.)



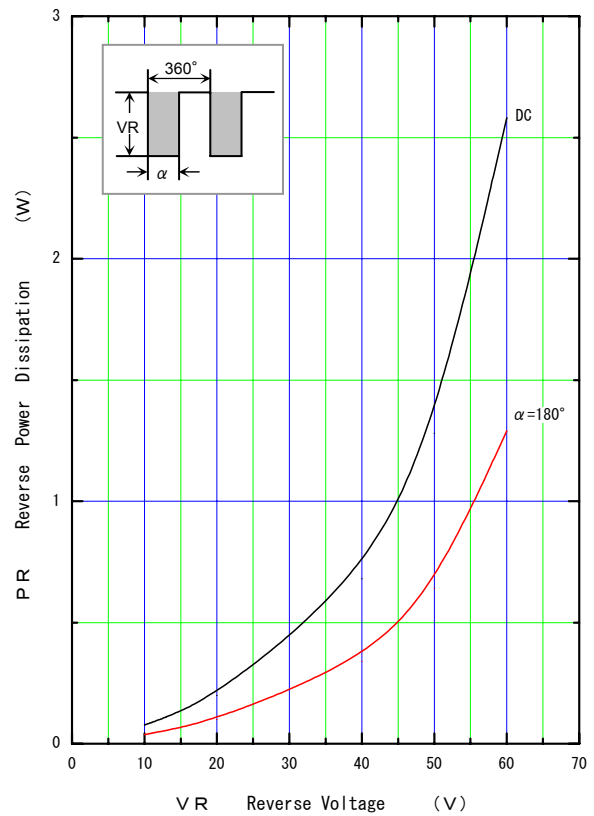
Reverse Characteristic (typ.)



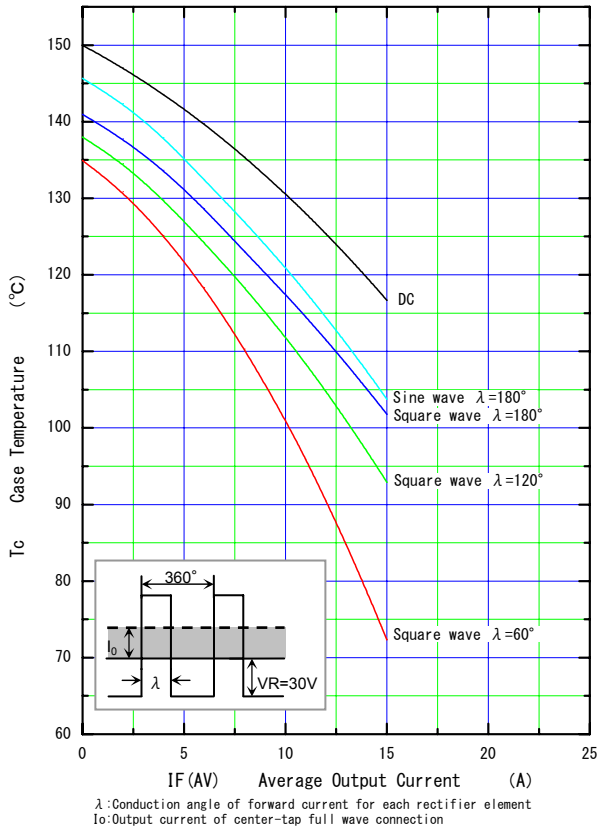
Forward Power Dissipation (max.)



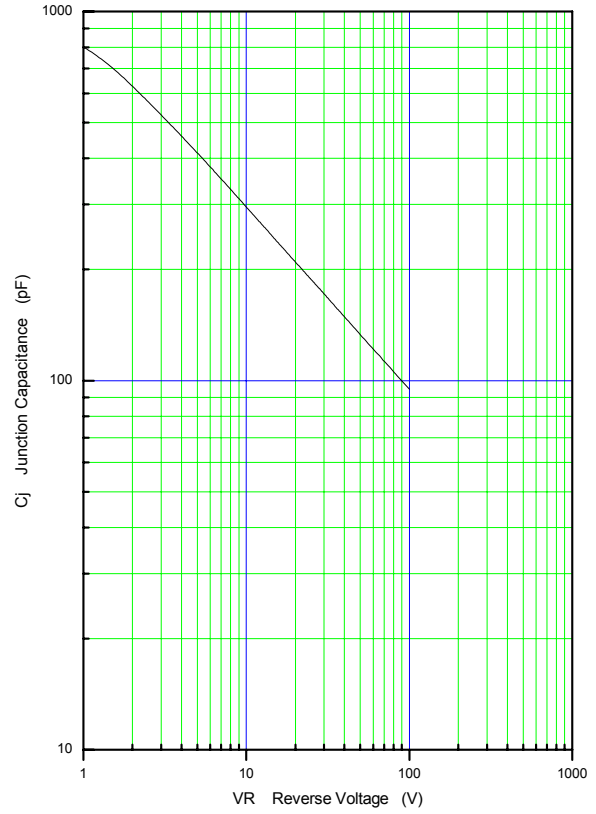
Reverse Power Dissipation (max.)



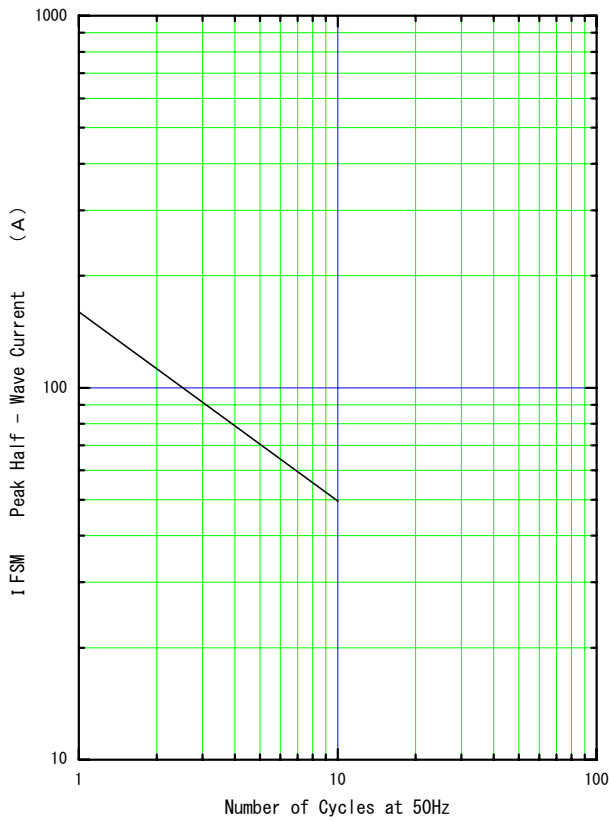
Current Derating (IF(AV)-Tc) (max.)

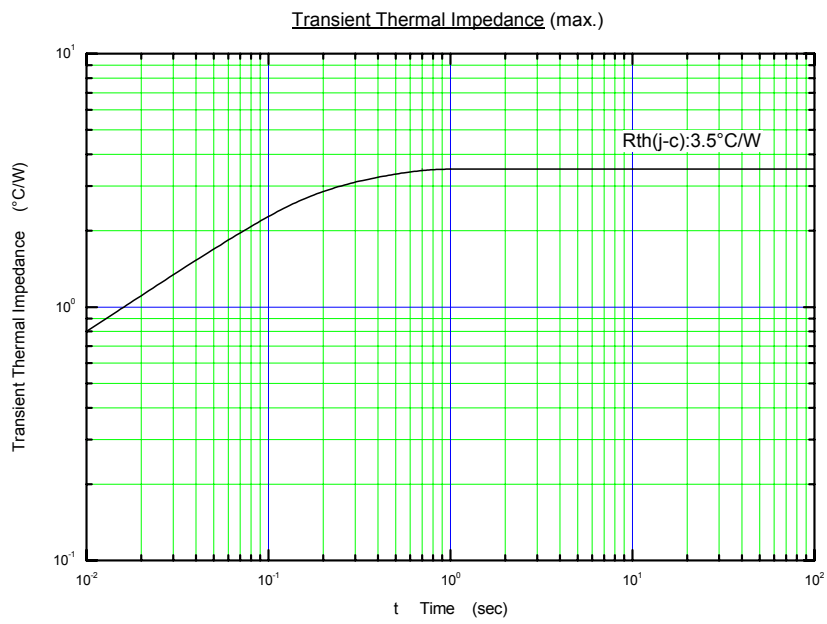
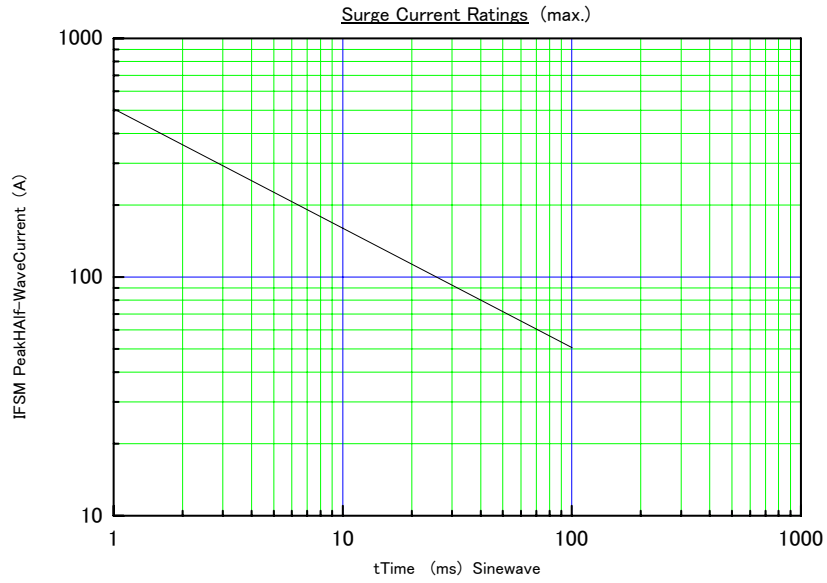


Junction Capacitance Characteristic (max.)



Surge Capability (max.)





WARNING

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 - Machine tools
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 - Electrical home appliances
 - Personal equipment
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 - Safety devices
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