

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 $T_c = 101^\circ\text{C}$	15	A
Non-repetitive forward surge current	I_{FSM}	Sine wave, 10ms 1shot	160	A
Operating junction temperature	T_j	-	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-	-40 to +150	$^\circ\text{C}$

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

Item	Symbols	Conditions	Maximum	Units
Forward voltage	V_F	$I_F = 15\text{ A}$	0.74	V
Reverse current	I_R	$V_R = V_{RRM}$	200	μA
Thermal resistance	$R_{th(j-c)}$	Junction to case	3.5	$^\circ\text{C/W}$

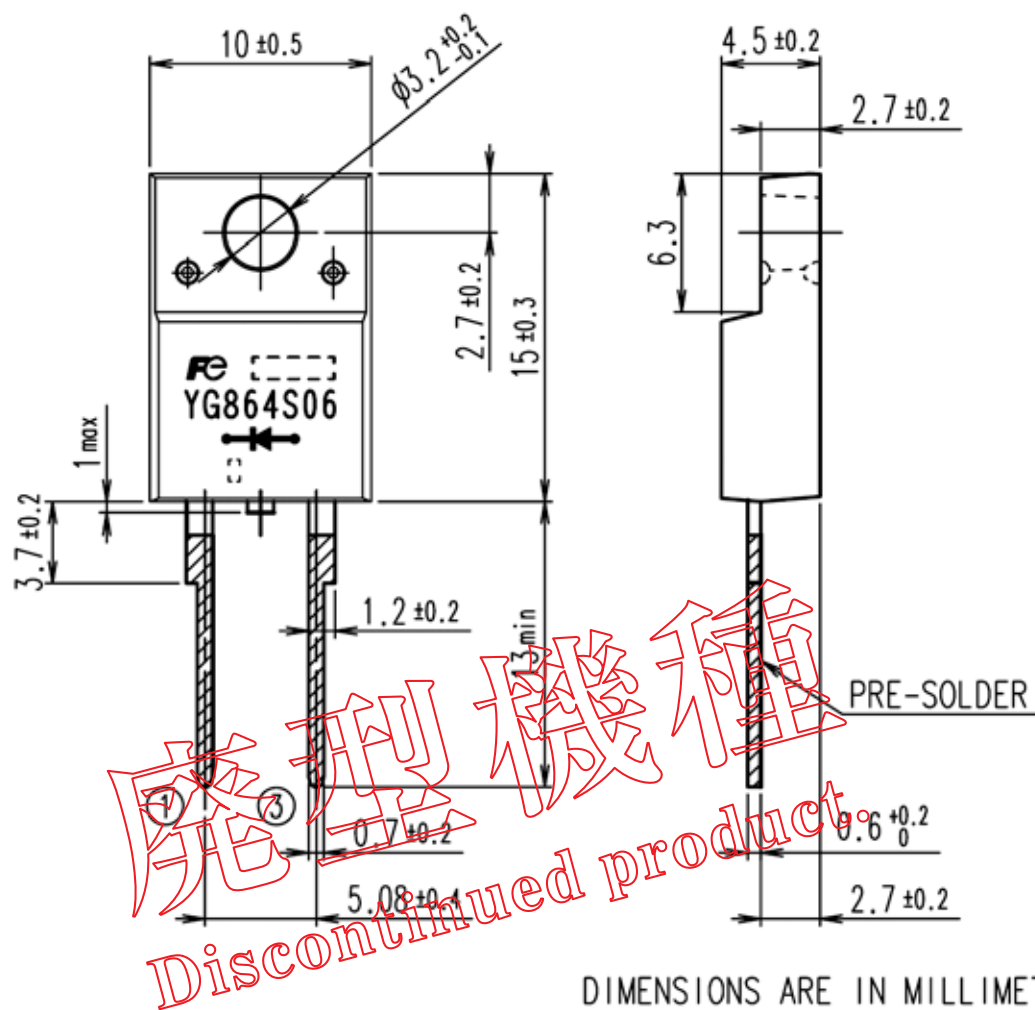
● Mechanical characteristics

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

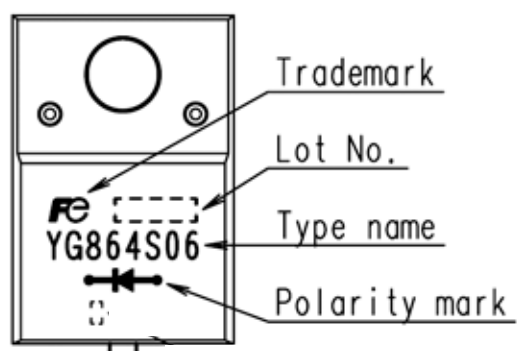
廃型機種
 Discontinued product.

■ Outline Drawings [mm]

OUT VIEW



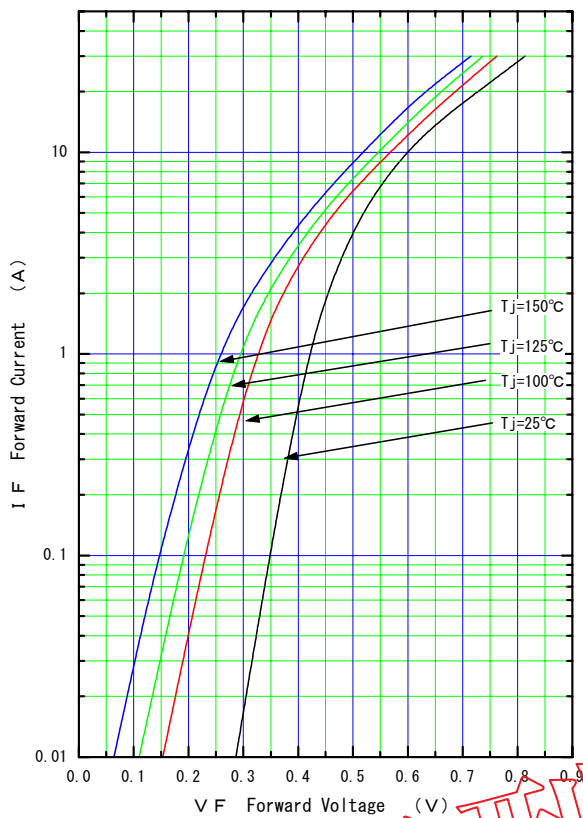
MARKING



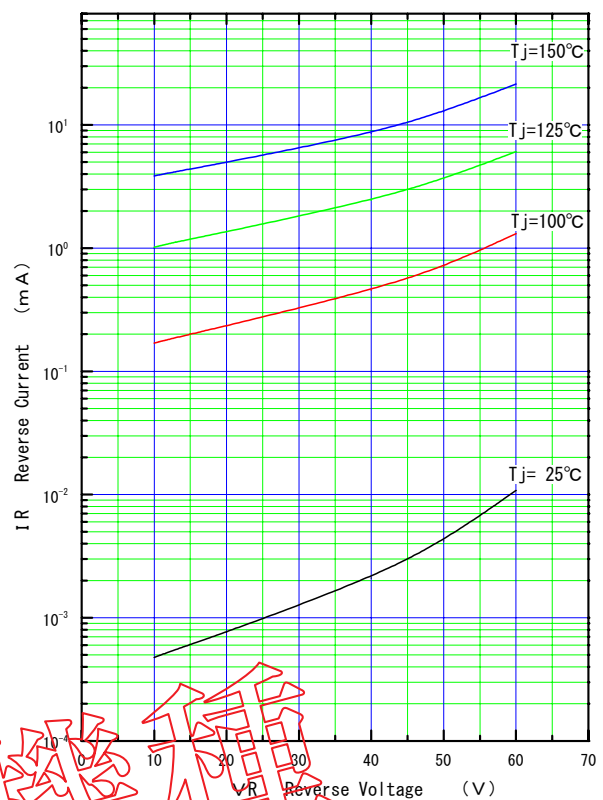
CONNECTION



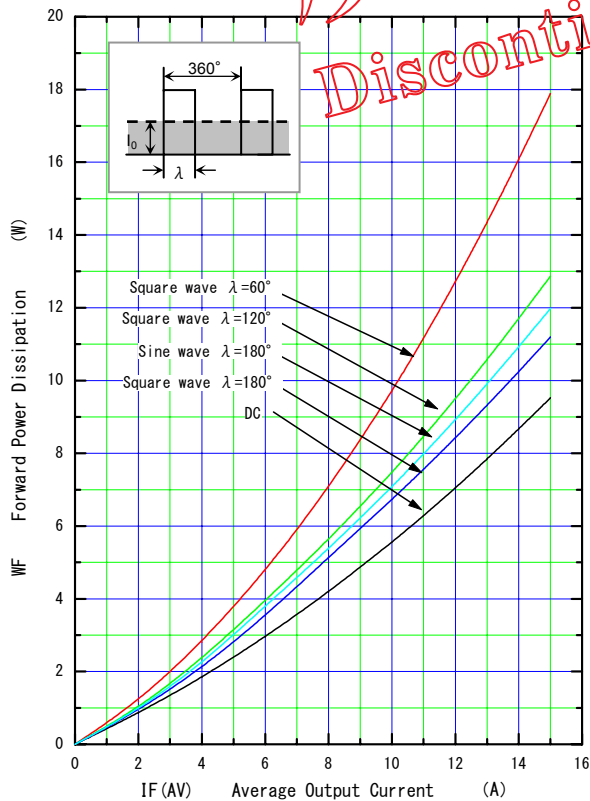
Forward Characteristic (typ.)



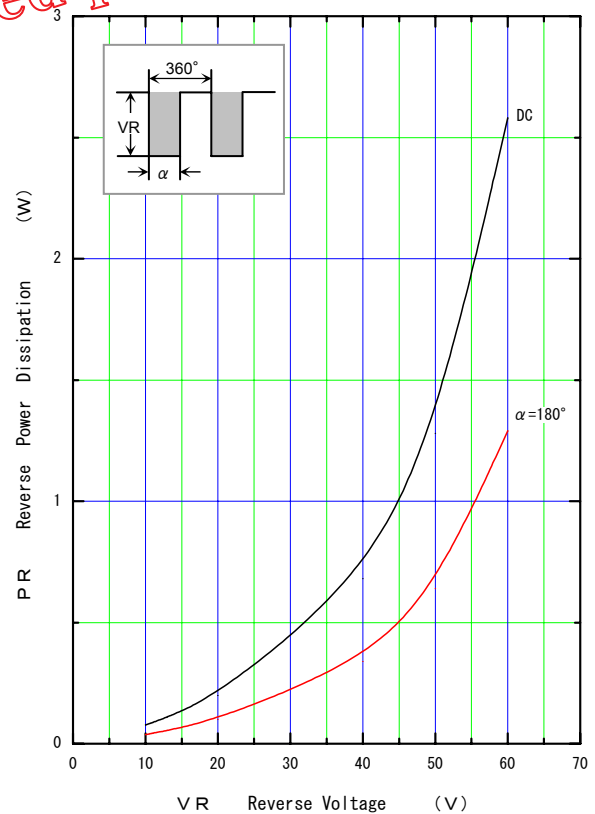
Reverse Characteristic (typ.)



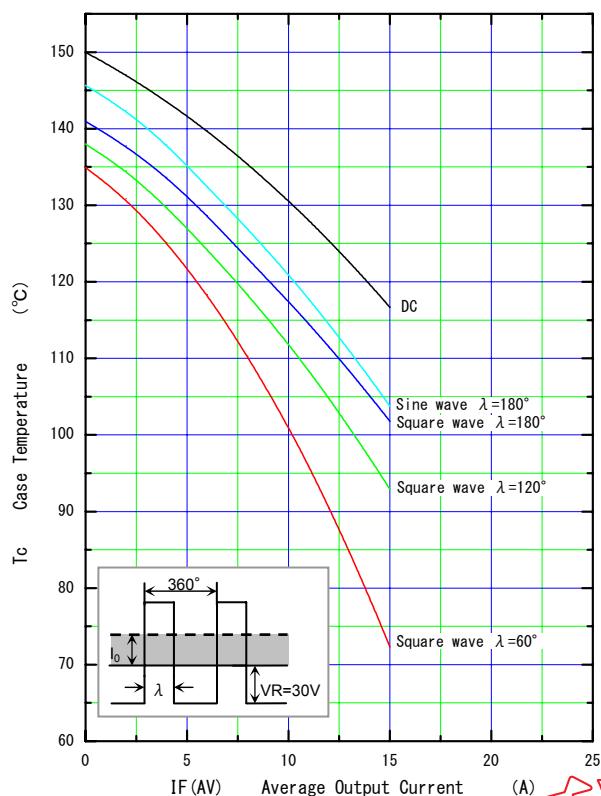
Forward Power Dissipation (max.)



Reverse Power Dissipation (max.)

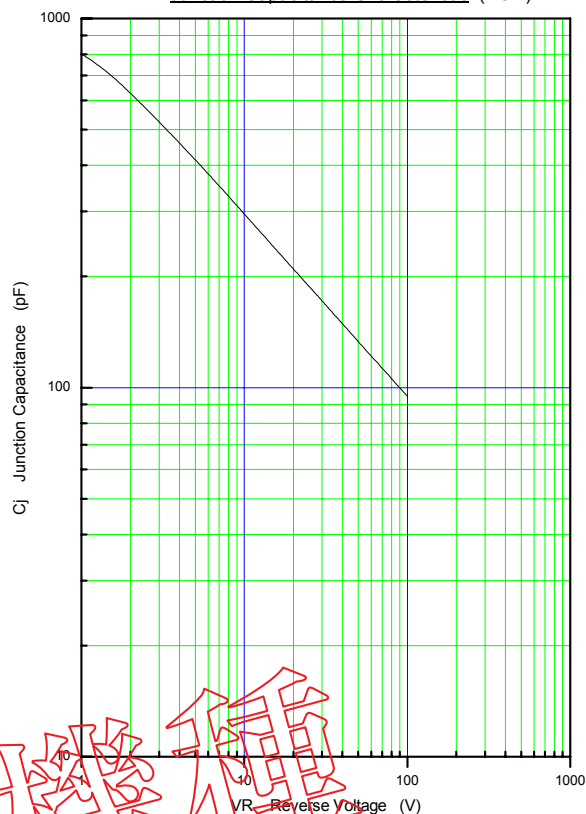


Current Derating (IF(AV)-Tc) (max.)

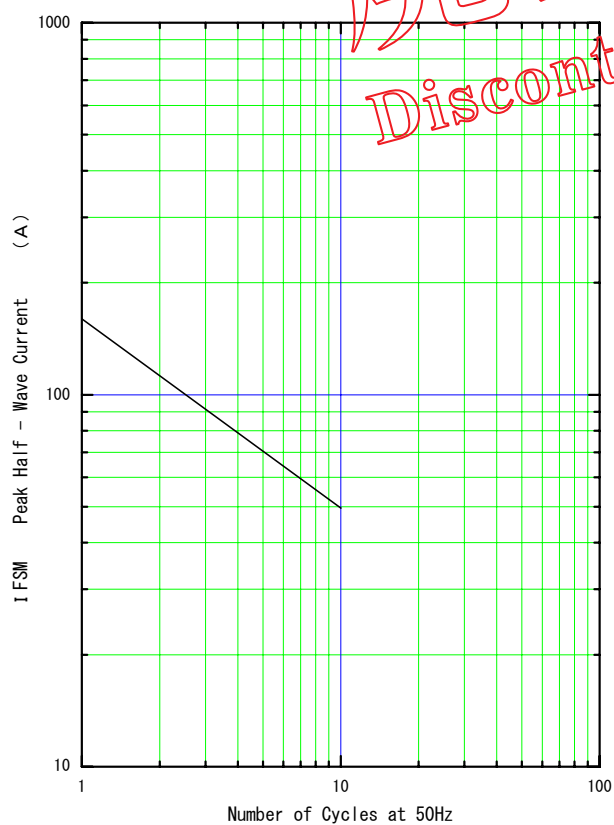


λ : Conduction angle of forward current for each rectifier element
 I_o : Output current of center-tap full wave connection

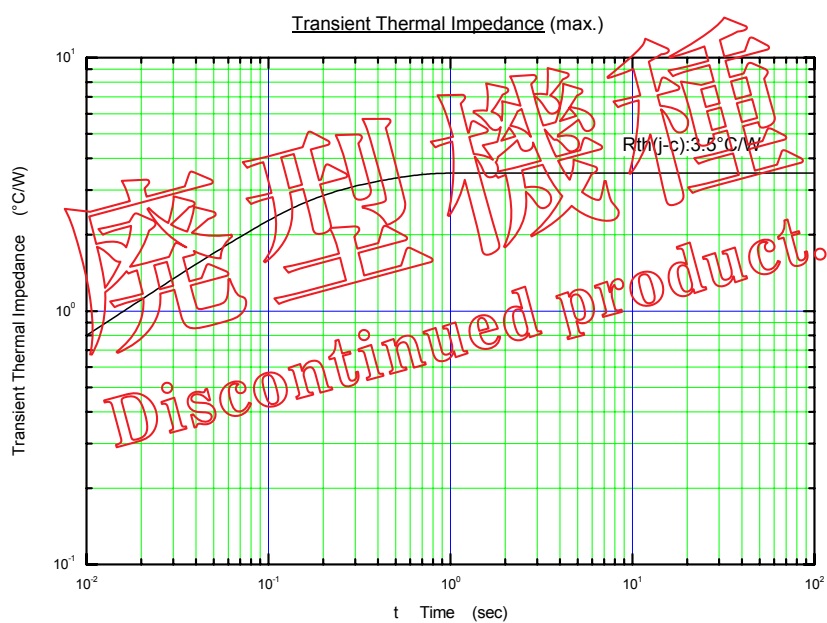
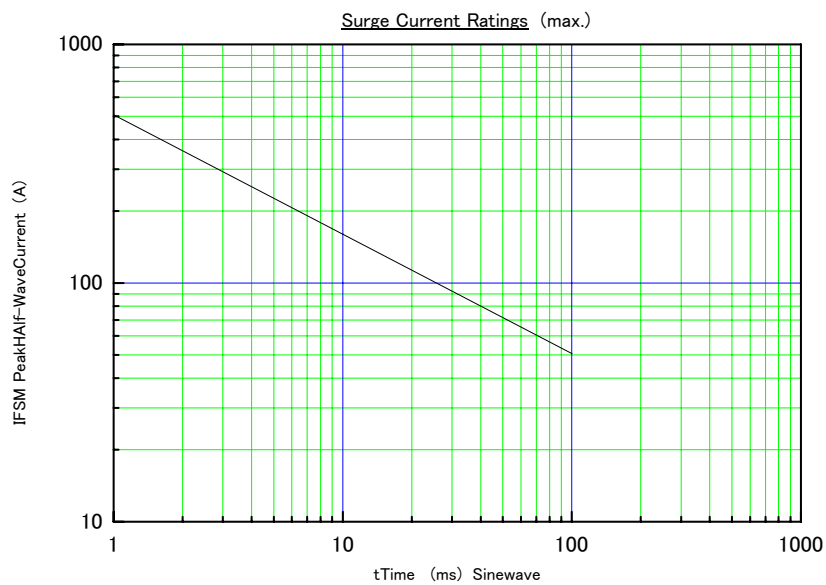
Junction Capacitance Characteristic (max.)



Surge Capability (max.)



廢型機種
 Discontinued product.



WARNING

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 - Electrical home appliances
 - Personal equipment
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