

# YA855C15R

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	$V_{RRM}$	-	150	V
Average output current	$I_o$	50Hz Square wave duty =1/2 $T_c = 105^\circ\text{C}$	20*	A
Non-repetitive forward surge current**	$I_{FSM}$	Sine wave, 10ms 1shot	95	A
Operating junction temperature	$T_j$	-	150	°C
Storage temperature	$T_{stg}$	-	-40 to +150	°C

Note\* Out put current of center tap full wave connection.

Note\*\* Rating per element

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

Item	Symbols	Conditions	Maximum	Units
Forward voltage***	$V_F$	$I_F = 10\text{ A}$	1.01	V
Reverse current***	$I_R$	$V_R = V_{RRM}$	175	μA
Thermal resistance	$R_{th(j-c)}$	Junction to case	1.75	°C/W

Note\*\*\* Rating per element

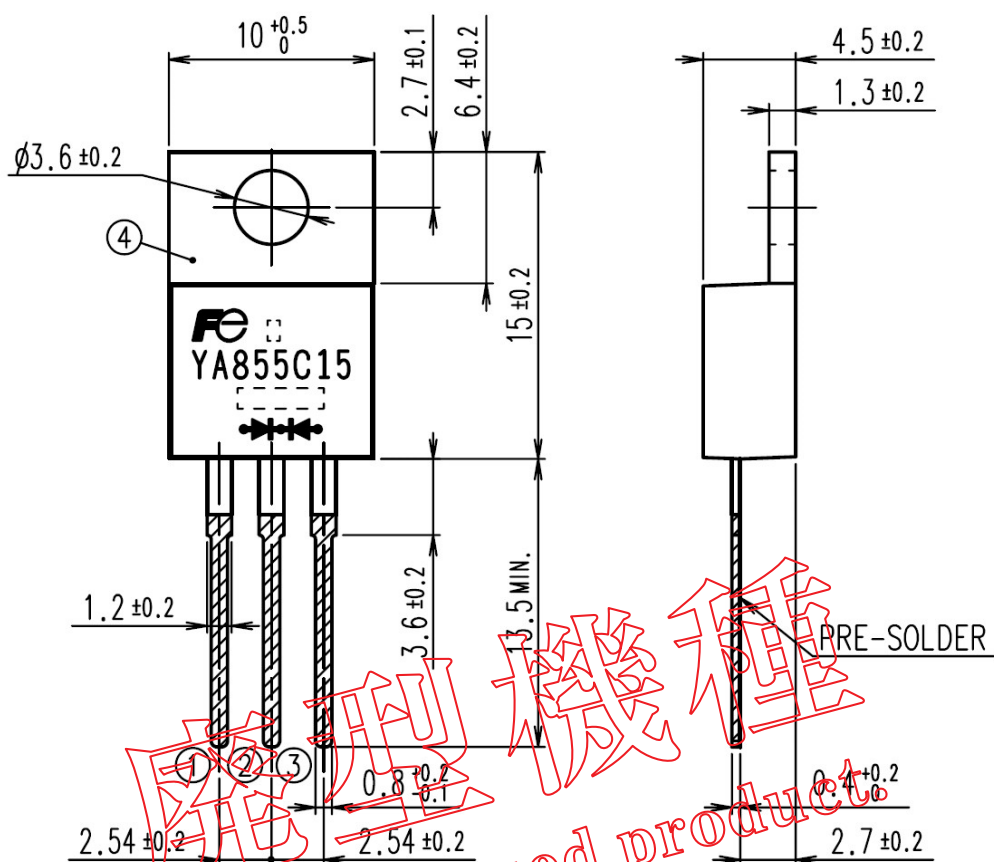
#### ● Mechanical characteristics

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

廃型機種  
 Discontinued product.

■ Outline Drawings [mm]

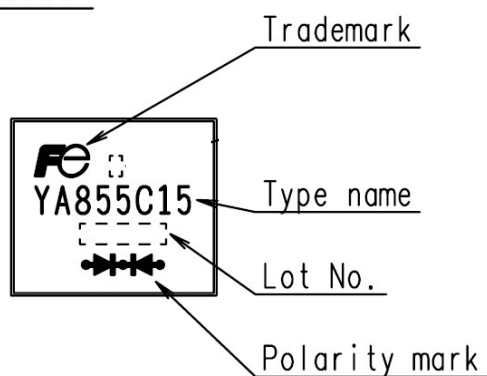
OUT VIEW



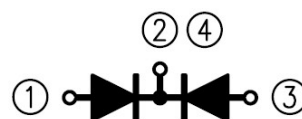
Discontinued product

DIMENSIONS ARE IN MILLIMETERS.

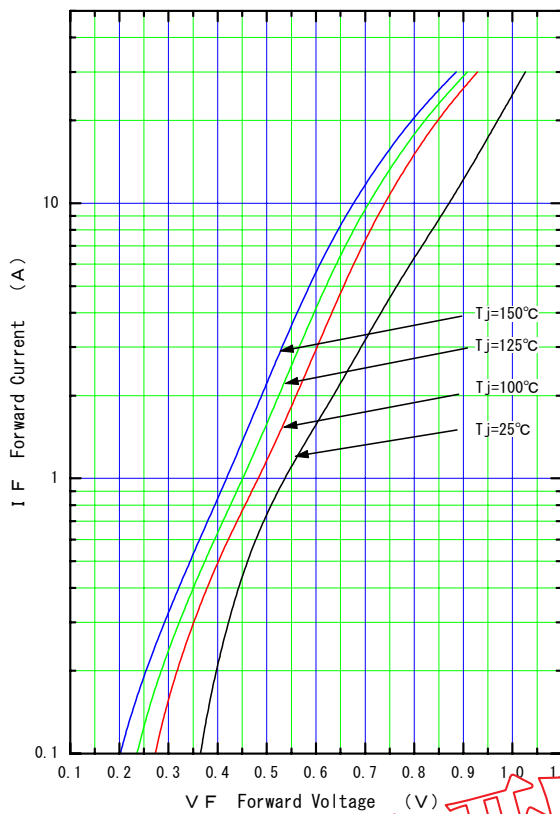
MARKING



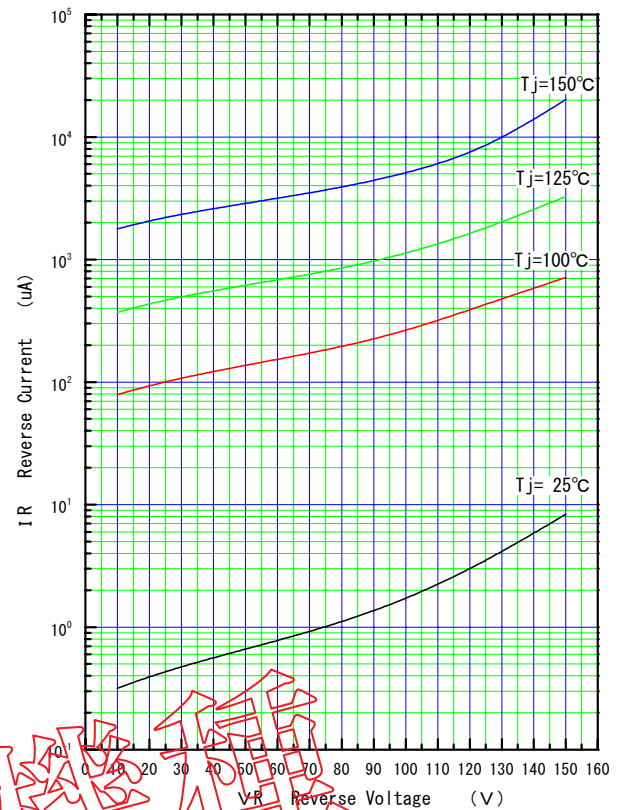
CONNECTION



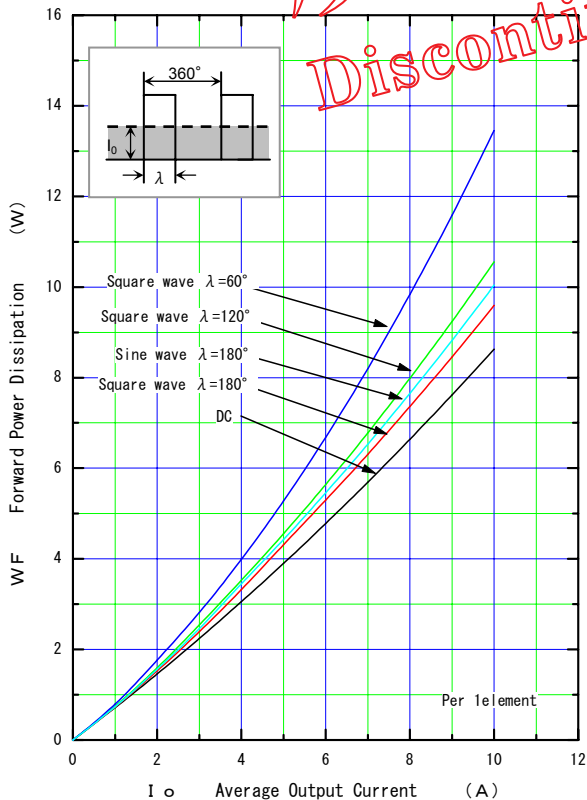
Forward Characteristic (typ.)



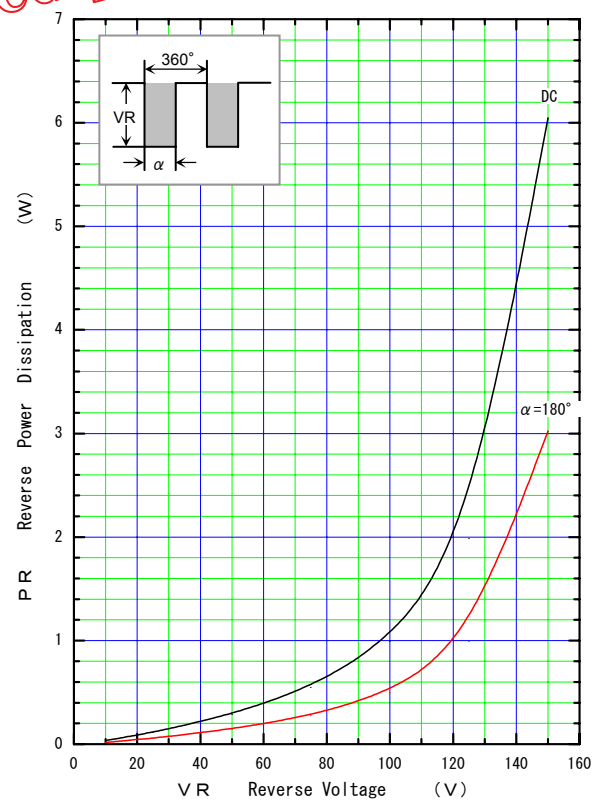
Reverse Characteristic (typ.)

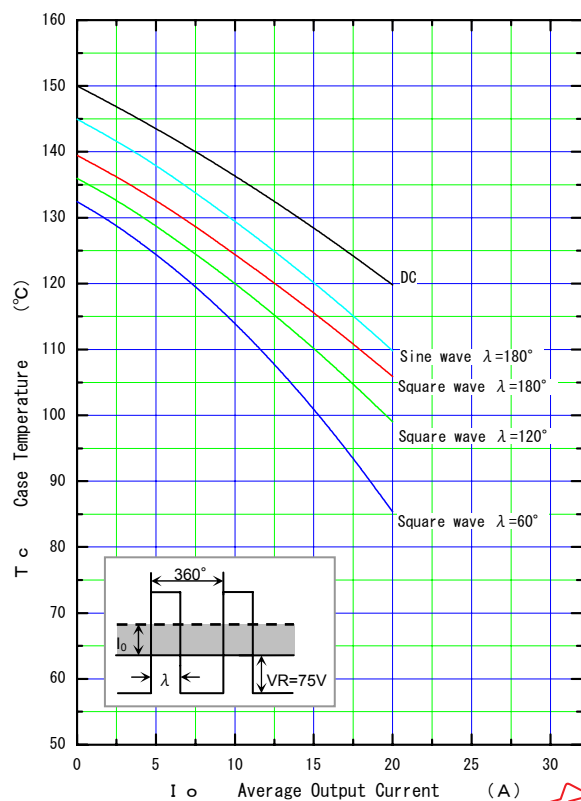


Forward Power Dissipation (max.)

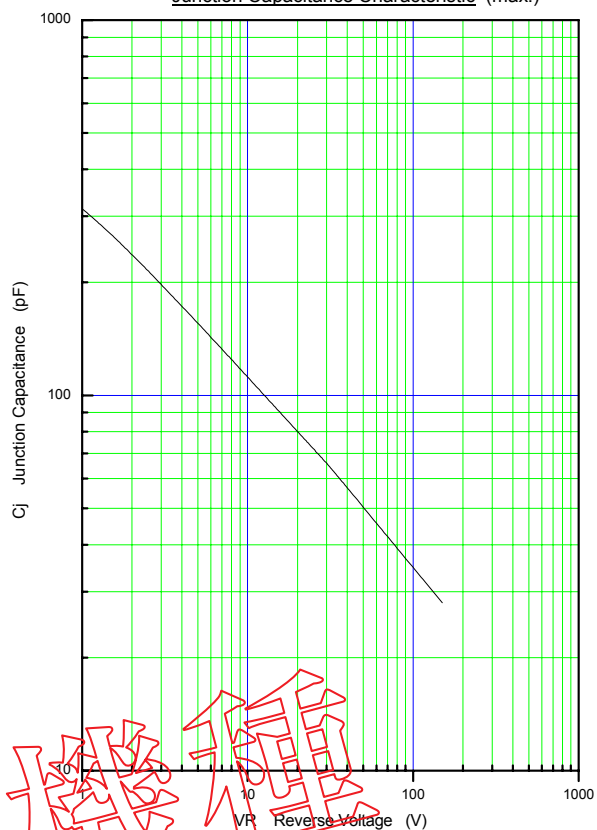


Reverse Power Dissipation (max.)

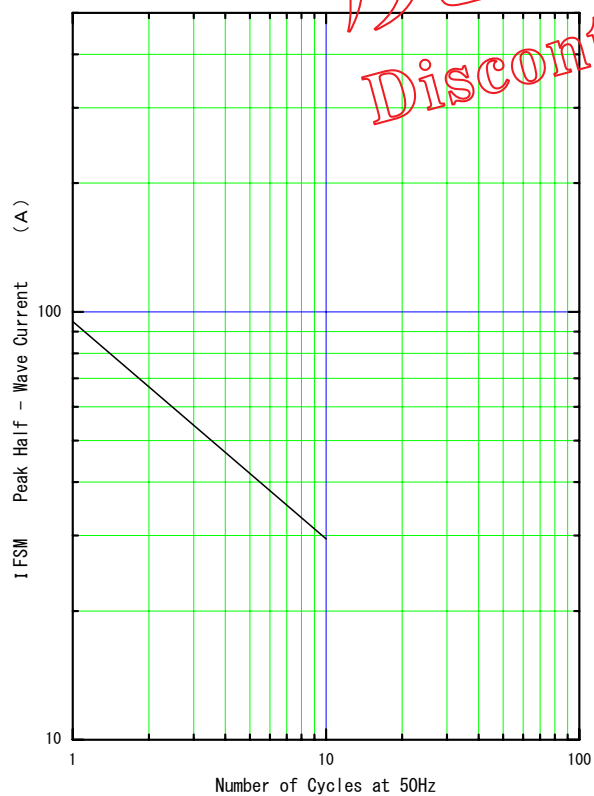


Current Derating ( $I_o$ - $T_c$ ) (max.)

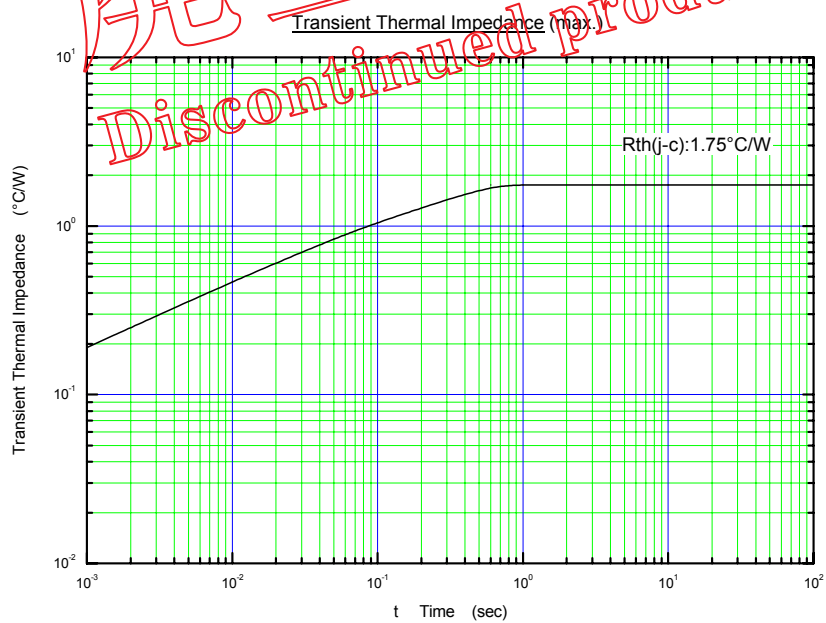
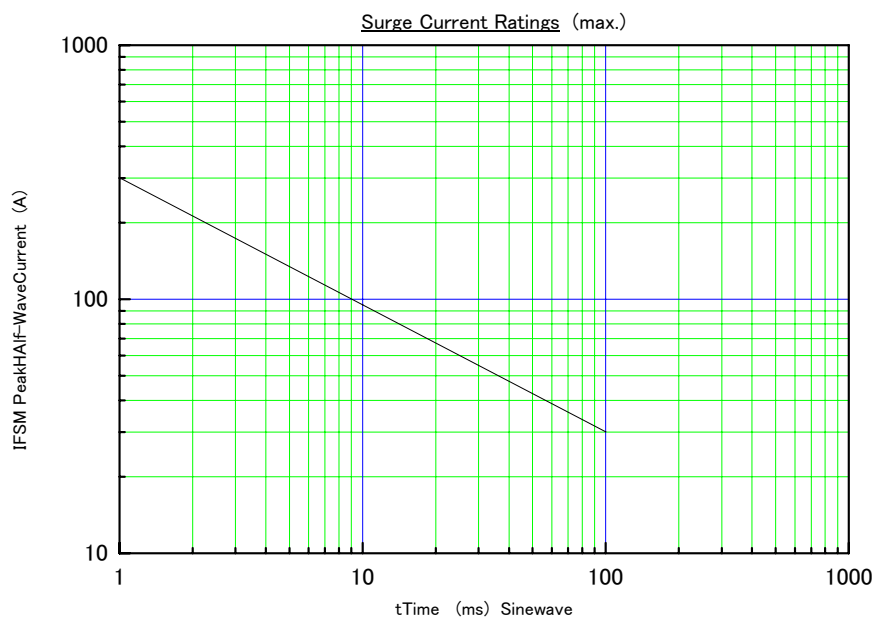
Junction Capacitance Characteristic (max.)



Surge Capability (max.)



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