

# YA855C12R

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	$V_{RRM}$	-	120	V
Average output current	$I_o$	50Hz Square wave duty =1/2 Tc = 111°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***	$V_F$	$I_F = 10\text{ A}$	0.98	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

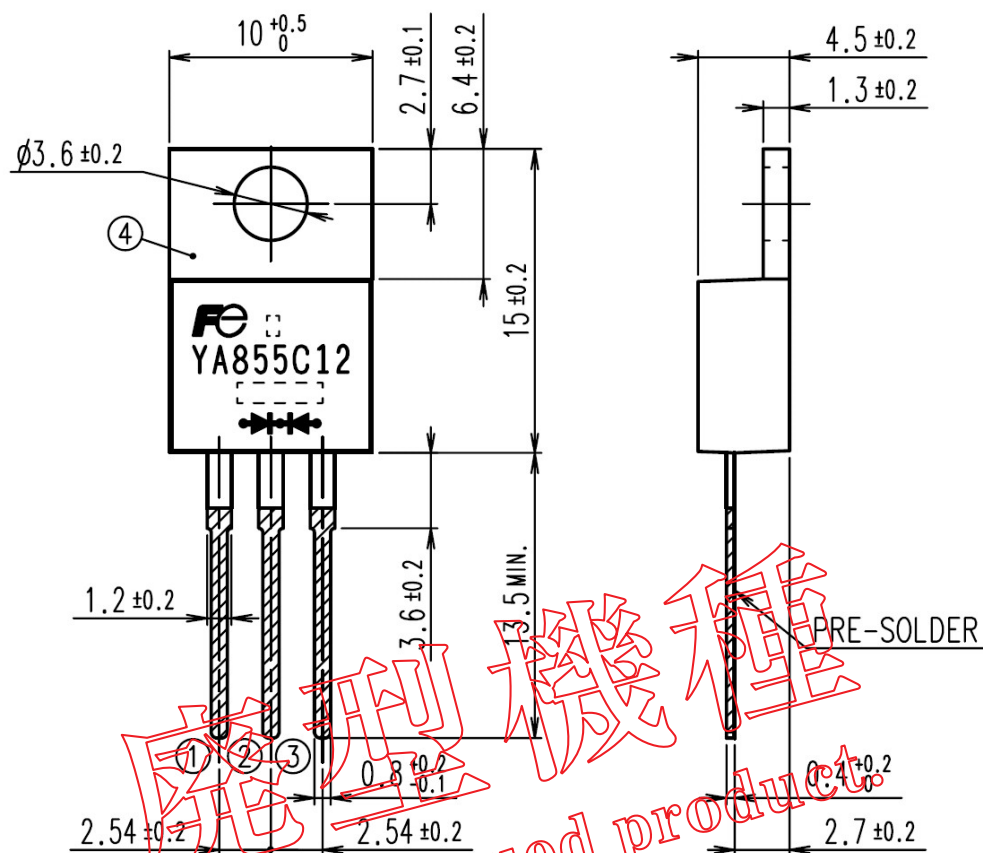
#### ● Mechanical characteristics

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

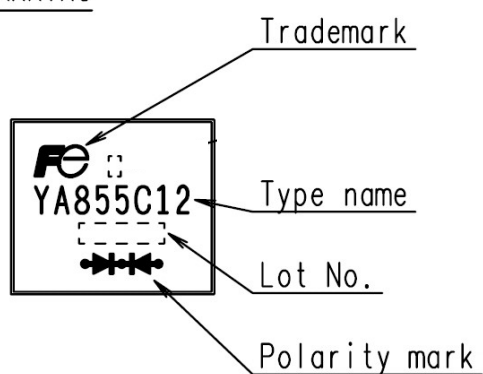


Discontinued product

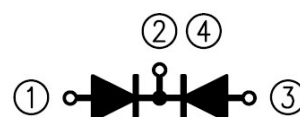
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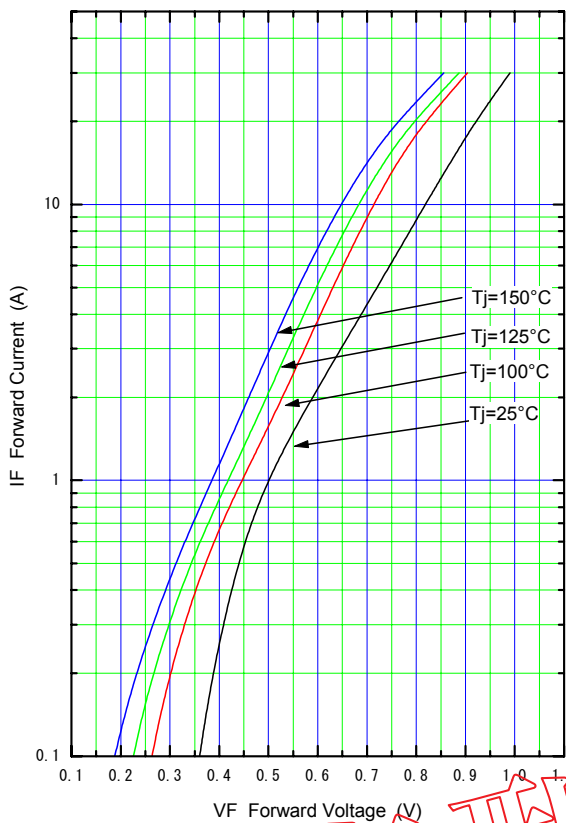
### MARKING



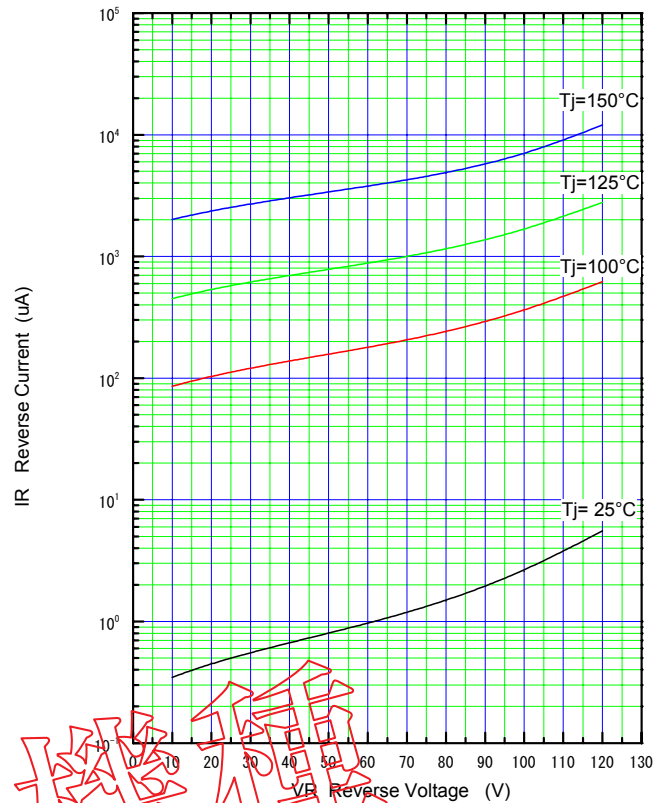
## CONNECTION



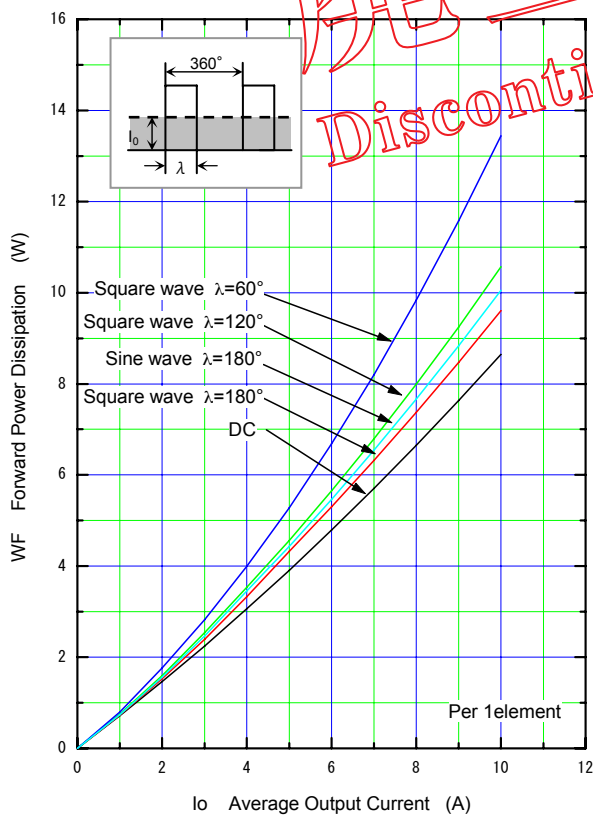
Forward Characteristic (typ.)



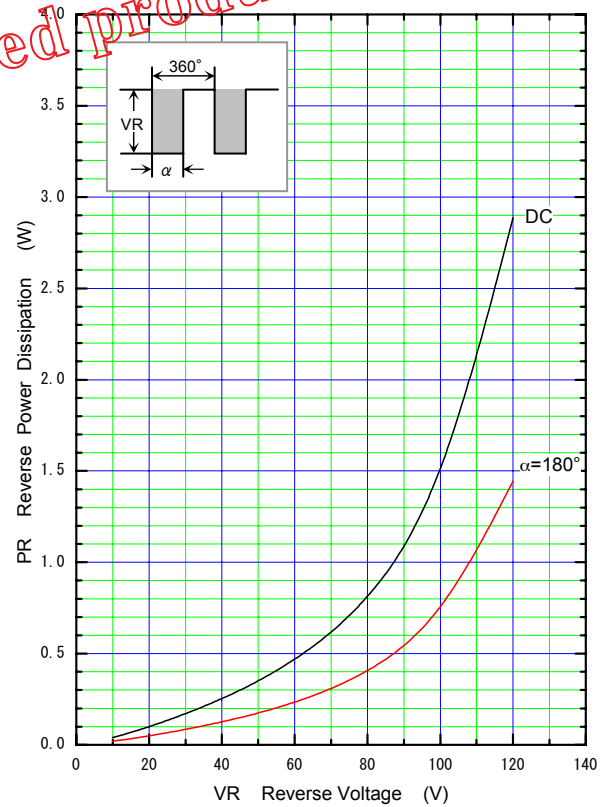
Reverse Characteristic (typ.)

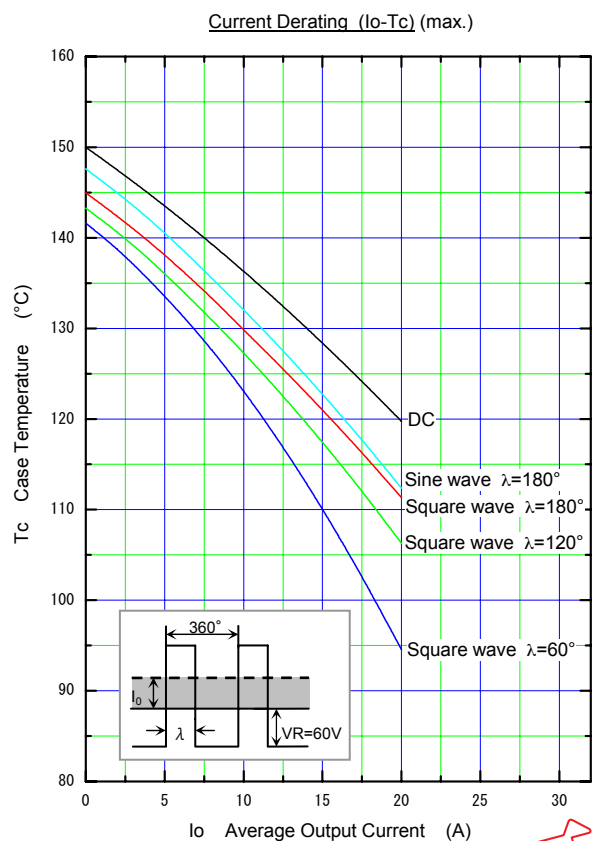


Forward Power Dissipation (max.)

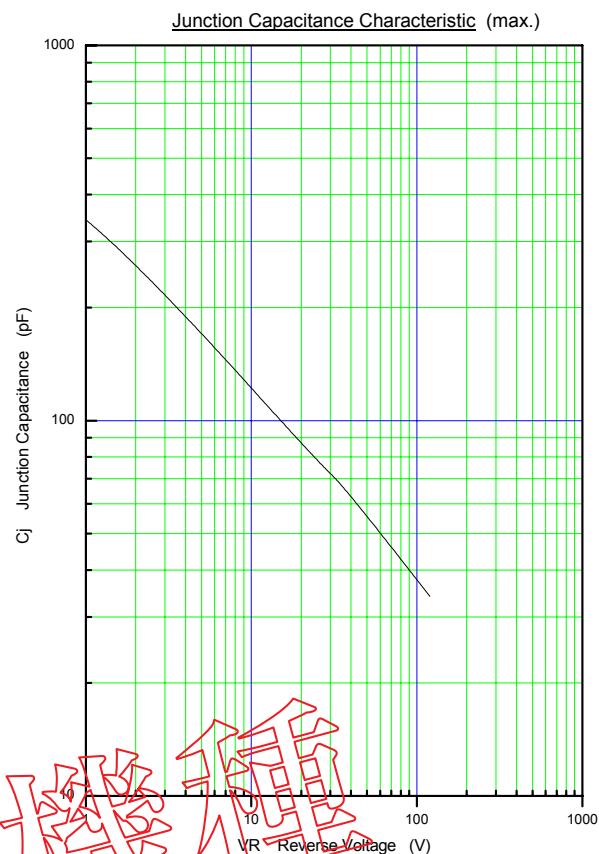


Reverse Power Dissipation (max.)

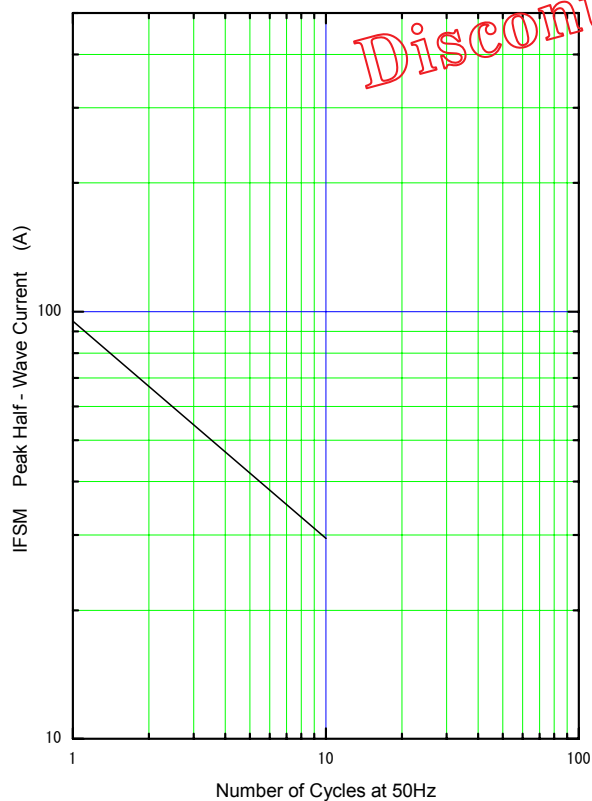




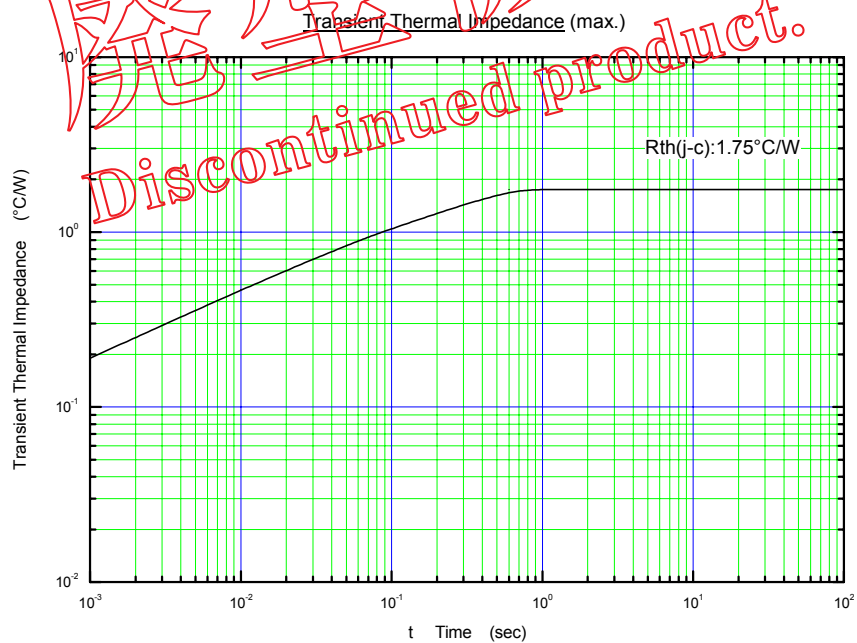
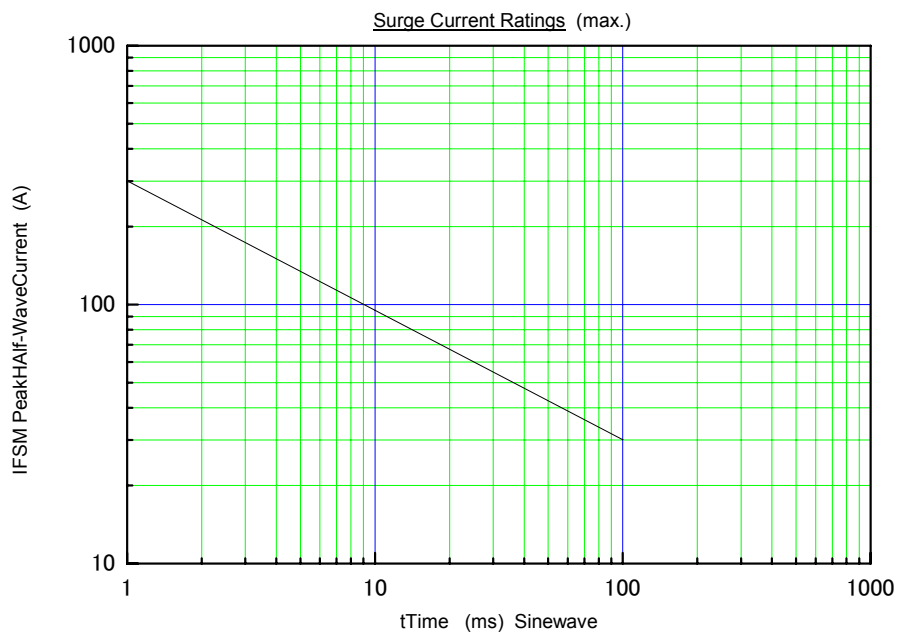
$\lambda$ : Conduction angle of forward current for each rectifier element  
 $I_o$ : Output current of center-tap full wave connection



Surge Capability (max.)



Discontinued product.



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