

<u>YG855C12R</u>

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	-	120	V
Isolating voltage	Viso	Terminals-to-case, AC.1min	1500	V
Average output current	lo	50Hz Square wave duty =1/2 Tc = 94°C	20*	A
Non-repetitive forward surge current**	IFSM	Sine wave, 10ms 1shot	95	A
Operating junction temperature	Tj	-	150	°C
Storage temperature	Tstg	-	-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***	VF	IF =10 A	0.98	V
Reverse current***	Ir	Vr =Vrrm	175	μA
Thermal resistance	Rth(j-c)	Junction to case	2.5	°C/W

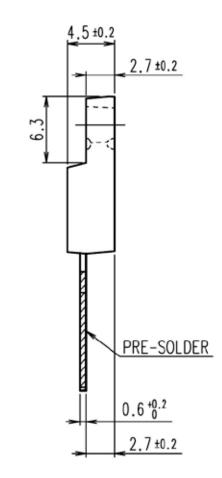
Note*** Rating per element

Mechanical characteristics

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

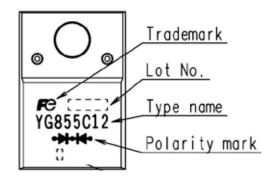
Outline Drawings [mm]

OUT VIEW 63.24 10 ±0.5 2.7±0.2 ۲ 15±0.3 re : YG855C12 3.7±0.2 1.2±0.2 1.2±0.2 13min. 23 \bigcirc 0.7 ±0.2 2.54 ±0.2 2.54 ±0.2

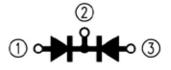


DIMENSIONS ARE IN MILLIMETERS.

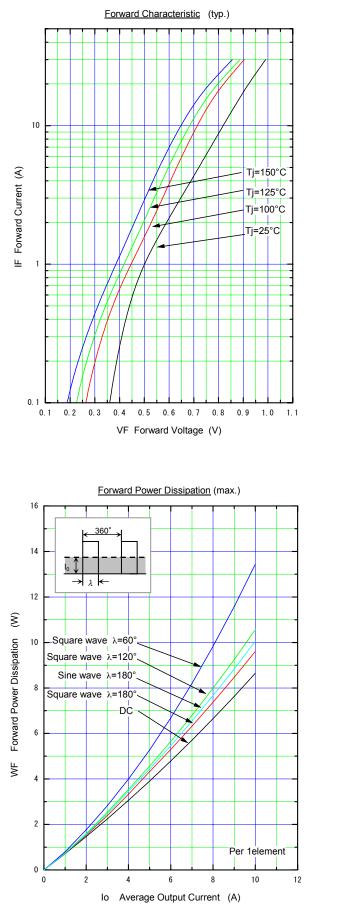
MARKING

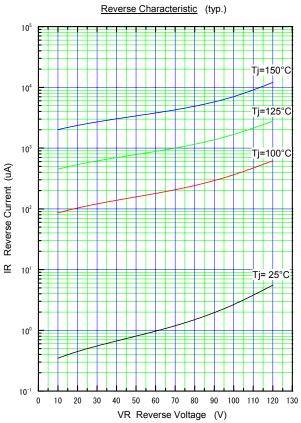


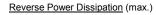
CONNECTION

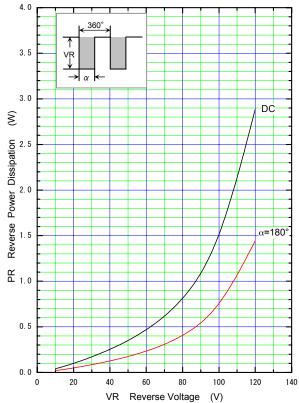


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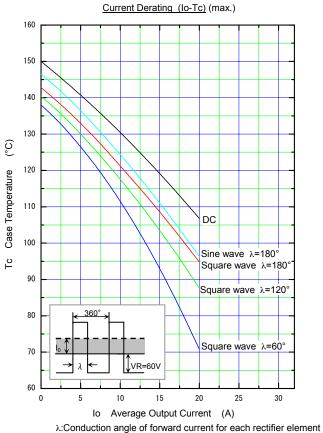


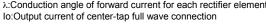


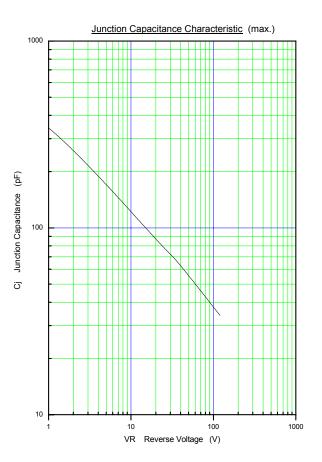


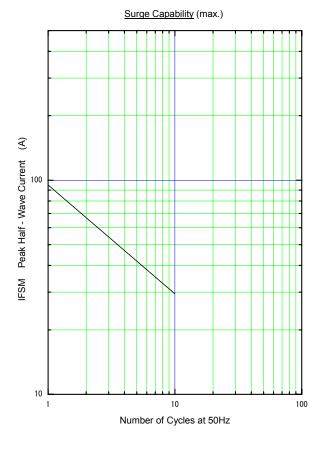


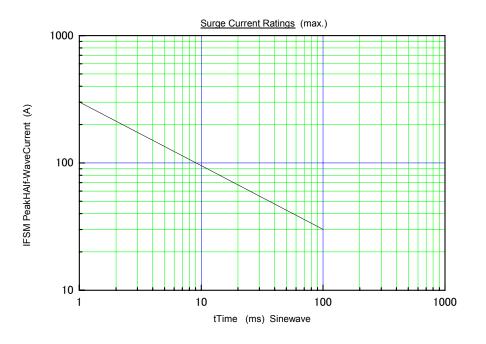
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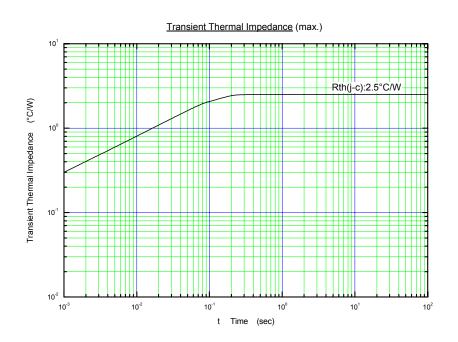












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