

YG869C06R

FUJI Diode

Schottky Barrier Diode

Maximum Rating and Characteristics

• Maximum ratings (at Ta=25°C unless otherwise specified.)

Item	Symbols	ols Conditions Ratings		Units
Repetitive peak reverse voltage	VRRM	-	60	V
Isolating voltage	Viso	Terminals-to-case, AC.1min	1500	V
Average output current	lo	50Hz Square wave duty =1/2 Tc = 105°C	40*	A
Non-repetitive forward surge current**	IFSM	Sine wave, 10ms 1shot	190	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	I⊧ =20 A	0.70	V
Reverse current***	Ir	Vr =Vrrm	0.20	mA
Thermal resistance	Rth(j-c)	Junction to case	1.2	°C/W

Note*** Rating per element

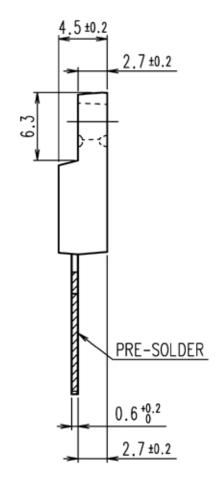
Mechanical characteristics

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

Outline Drawings [mm]

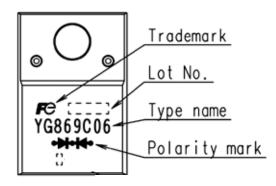
OUT VIEW

	_ 10	±0.5	65.24	<u>}</u>
	•	¥.	2.7±0.2	15±0.3
3.7±0.2				
3.7			<u>1.2±0.2</u> .2±0.2	13 min.
2.54 ±0			0.7±0.2 2.54±0.2	¥ -

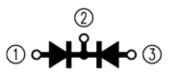


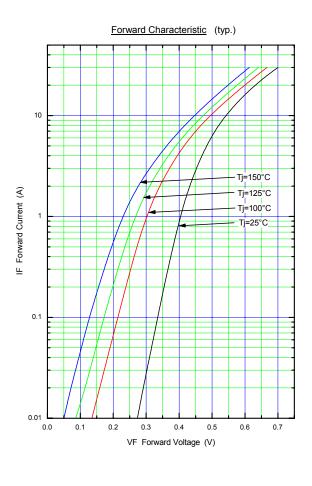
DIMENSIONS ARE IN MILLIMETERS.

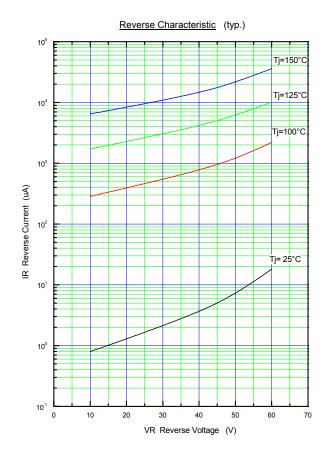
MARKING

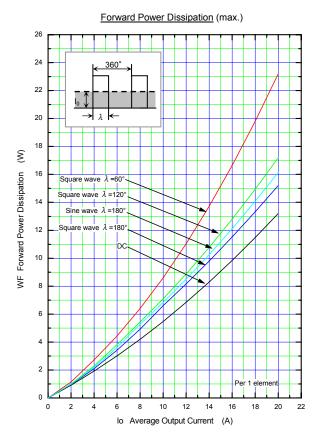


CONNECTION

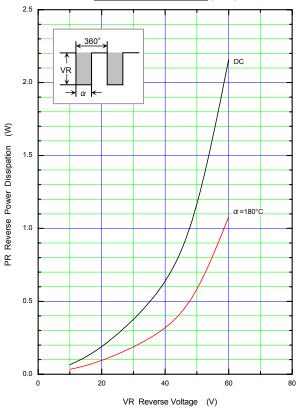


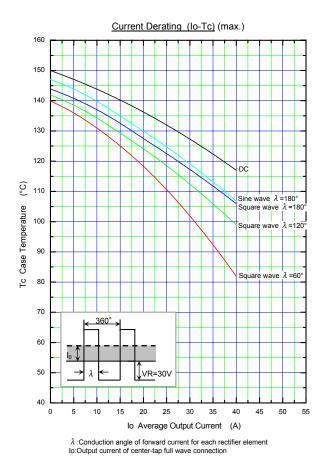


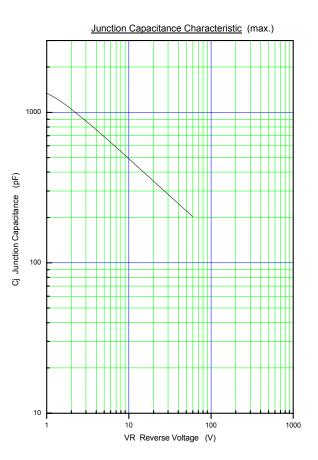


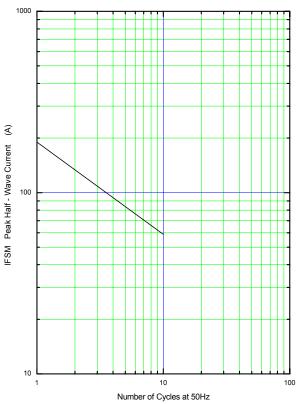


Reverse Power Dissipation (max.)

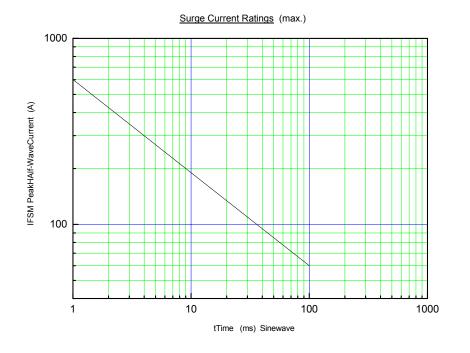


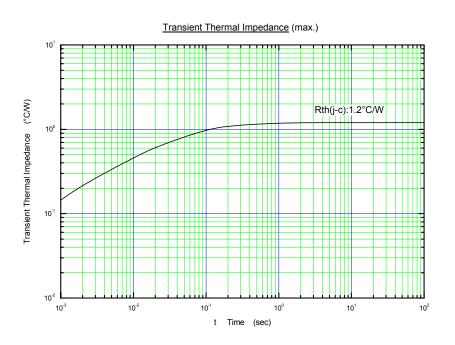






Surge Capability (max.)





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