

PG985C3R

Low-Loss Fast Recovery Diode

Maximum Rating and Characteristics

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

Item	Symbols	Conditions	Ratings	Units
Repetitive peak reverse voltage	Vrrm	-	300	V
Isolating voltage	Viso	Terminals-to-Case, AC.1min	1500	V
Average output current	lo	50Hz Square wave duty =1/2 Tc = 73°C	20 *	A
Non-repetitive forward surge current**	IFSM	Sine wave, 10ms 1shot	110	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 _F = 10 A	1.3	V
Reverse current***	IR	Vr =Vrrm	35	μA
Reverse recovery time***	trr	IF =0.1A, IR =0.2A, Irec =0.05A	0.04	μS
Thermal resistance	Rth(j-c)	Junction to case	3	°C/W
Nete*** Define were element				

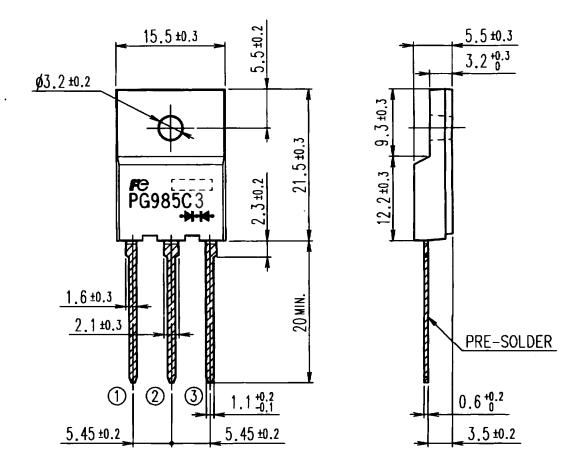
Note*** Rating per element

Mechanical characteristics

Item	Conditions	Maximum	Units
Mounting torque	Recommended torque	0.4 to 0.6	N•m
Approximate mass	-	6	g

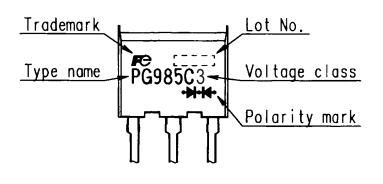
Outline Drawings [mm]

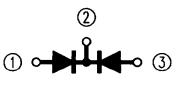
OUT VIEW



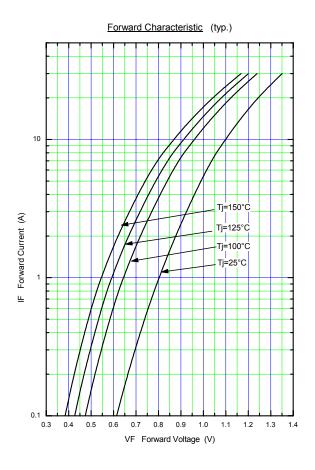
MARKING

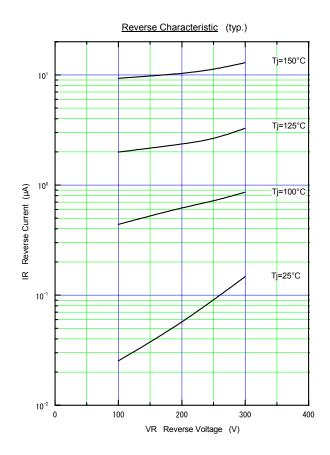
CONNECTION

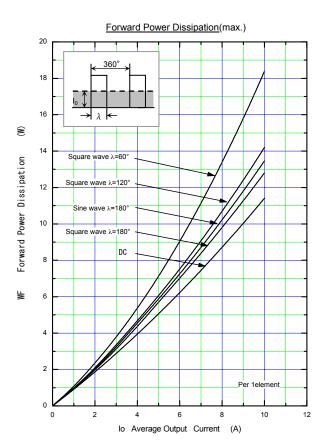




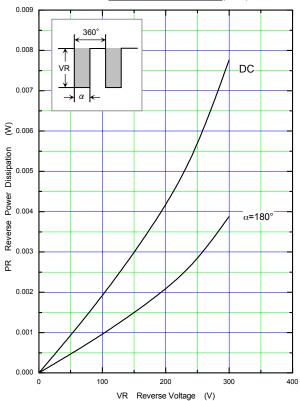
<u>UNIT:mm</u>



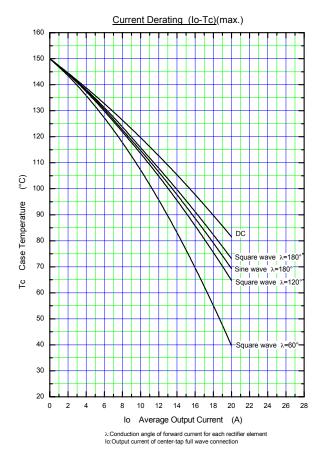


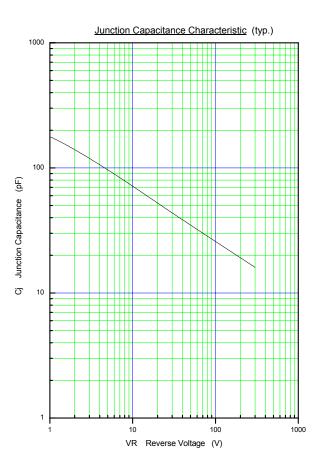


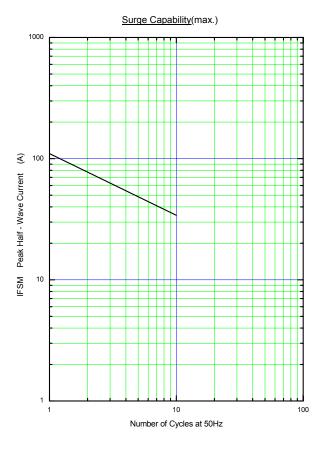
Reverse Power Dissipation(max.)

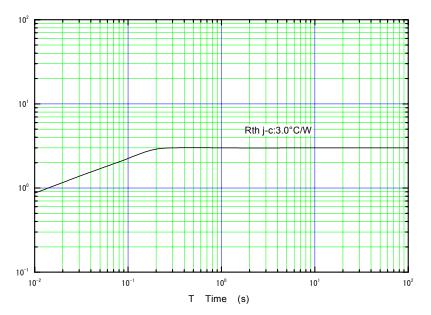


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Transient Thermal Impedance (max.)

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