

YA985C3R

FUJI Diode

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
Average output current	lo	50Hz Square wave duty =1/2 Tc = 118°C	20*	А
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	IF =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	2.0	°C/W

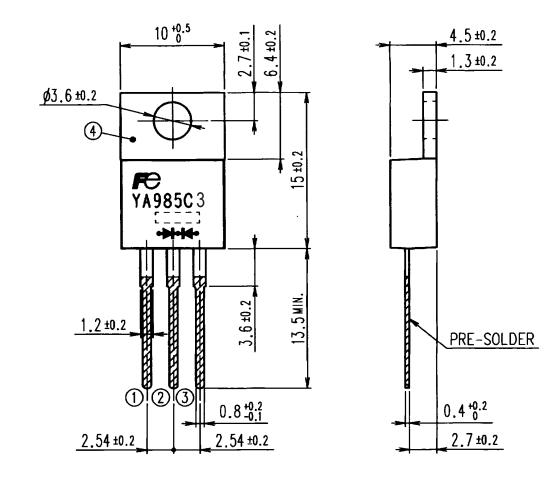
Note*** Rating per element

Mechanical characteristics

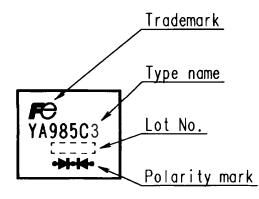
Item	Conditions	Maximum	Units
Mounting torque	Recommended torque	0.3 to 0.5	N•m
Approximate mass	-	2.0	g

Outline Drawings [mm]

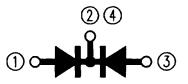
OUT VIEW



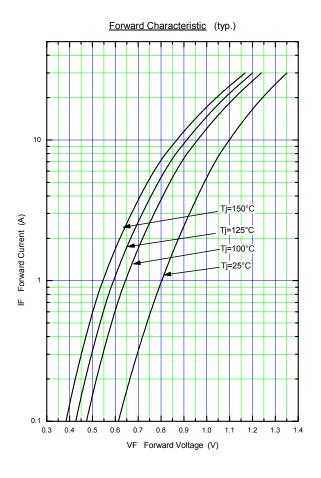
MARKING

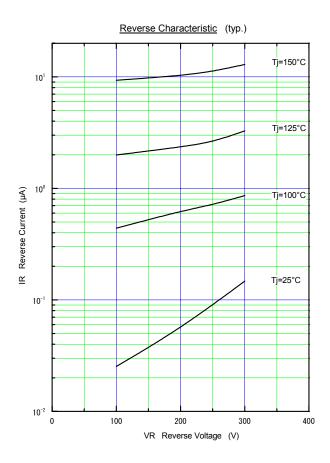


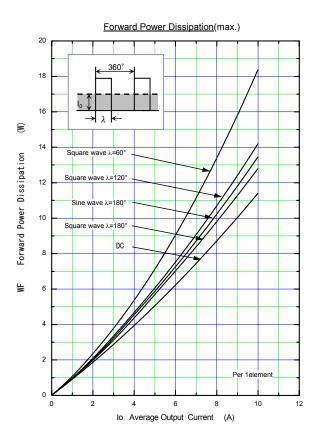
CONNECTION



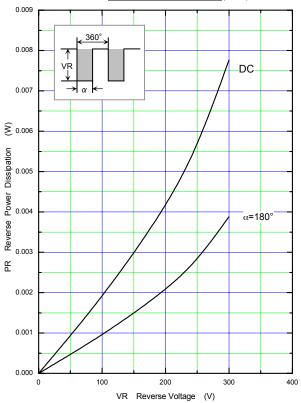
UNIT:mm



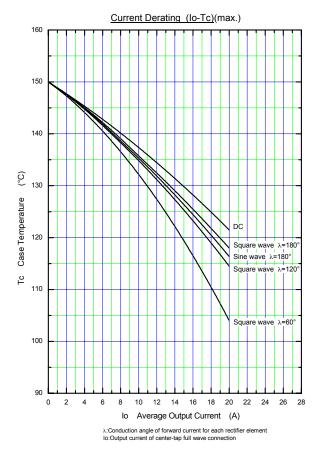


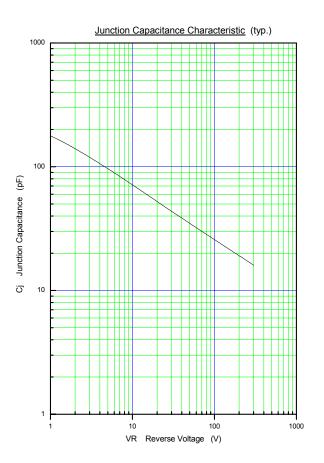


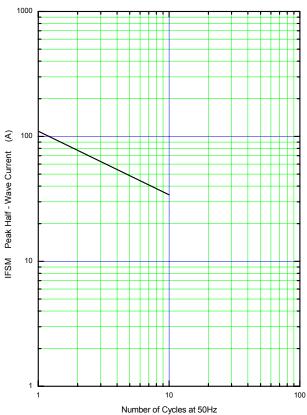
Reverse Power Dissipation(max.)



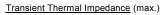
http://www.fujisemi.com

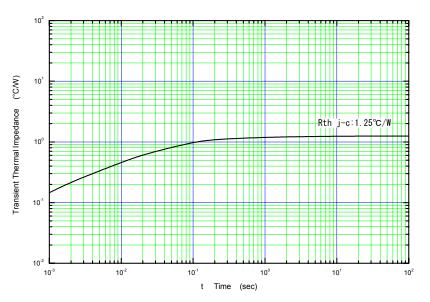






Surge Capability(max.)





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