

YG985C4R

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	V_{RRM}	-	400	V
Isolating voltage	V_{ISO}	Terminals-to-case, AC.1min	1500	V
Average output current	I_O	50Hz Square wave duty =1/2 Tc = 100°C	20 *	A
Non-repetitive forward surge current**	I_{FSM}	Sine wave, 10ms 1shot	100	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	$I_F = 10\text{ A}$	1.45	V
Reverse current***	I_R	$V_R = V_{RRM}$	35	μA
Reverse recovery time***	t_{rr}	$I_F = 0.1\text{A}$, $I_R = 0.2\text{A}$, $I_{rec} = 0.05\text{A}$	0.05	μS
Thermal resistance	$R_{th(j-c)}$	Junction to case	1.75	°C/W

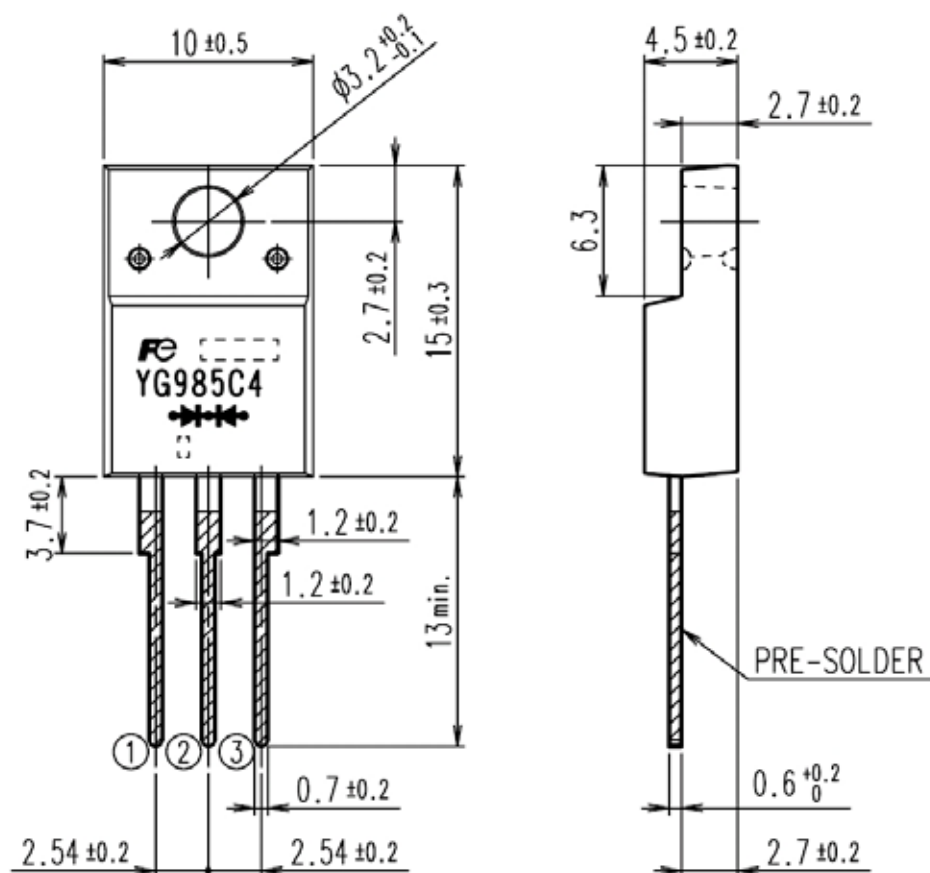
Note*** Rating per element

● Mechanical characteristics

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

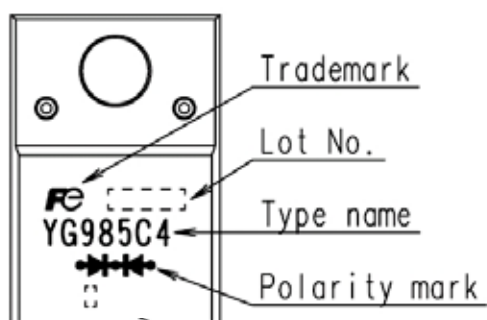
■ Outline Drawings [mm]

OUT VIEW



DIMENSIONS ARE IN MILLIMETERS.

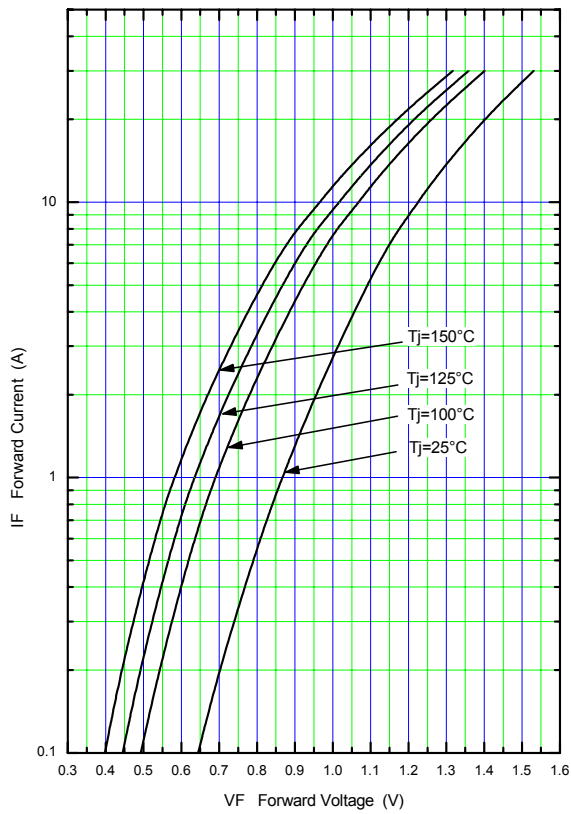
MARKING



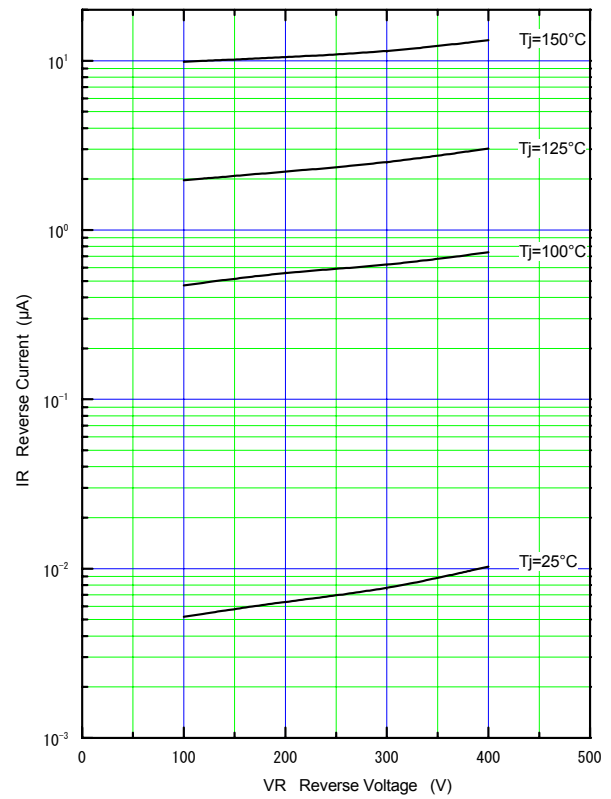
CONNECTION



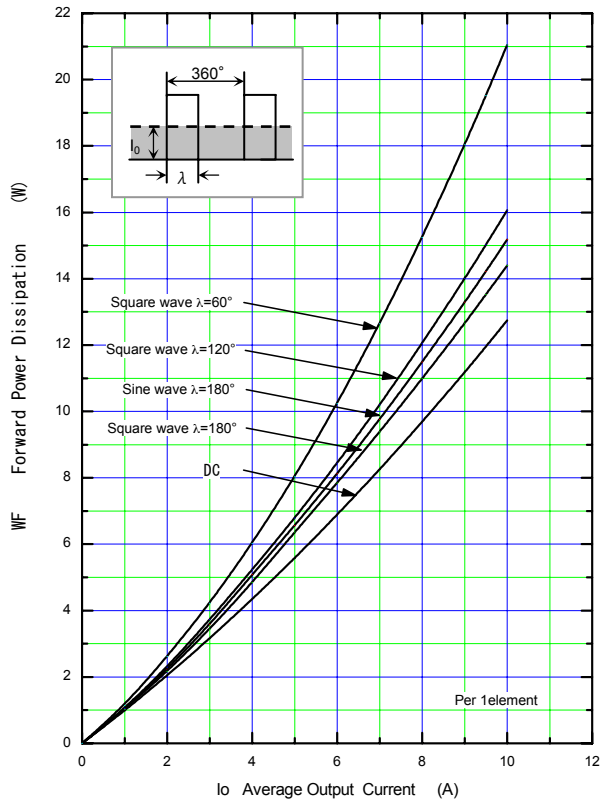
Forward Characteristic (typ.)



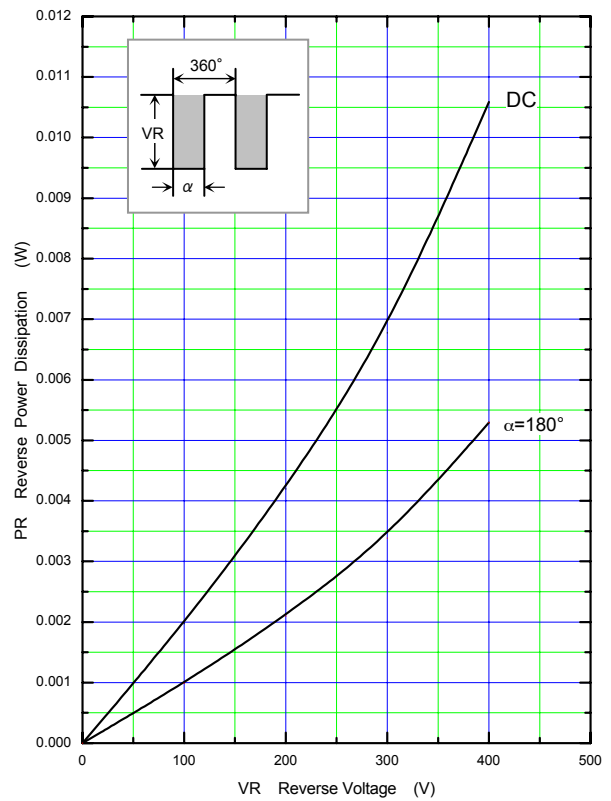
Reverse Characteristic (typ.)

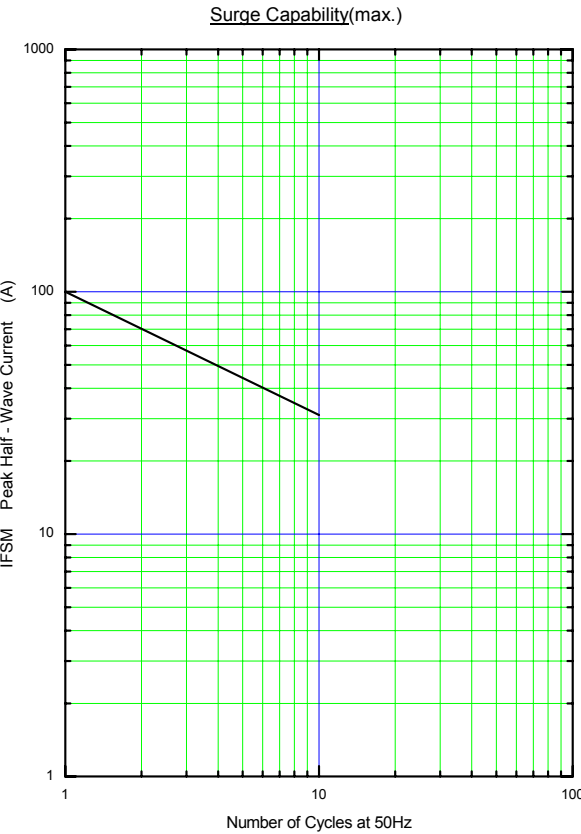
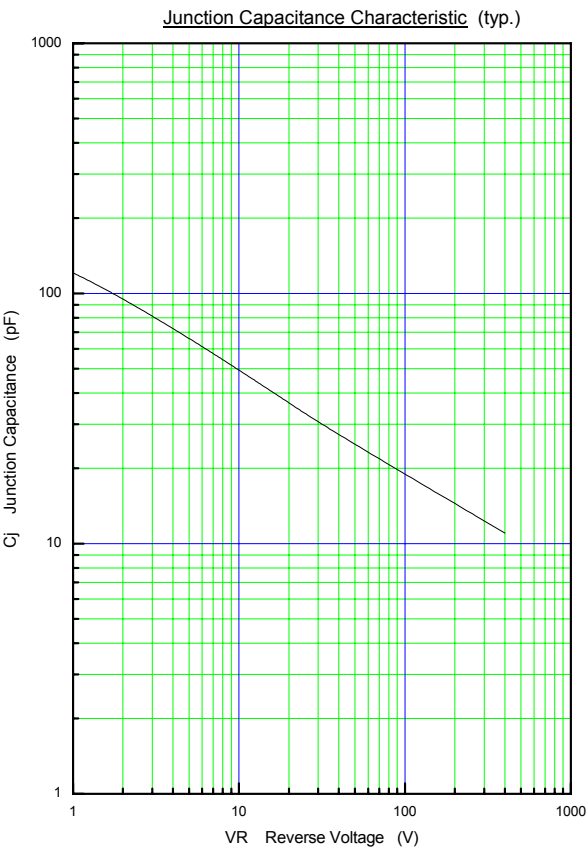
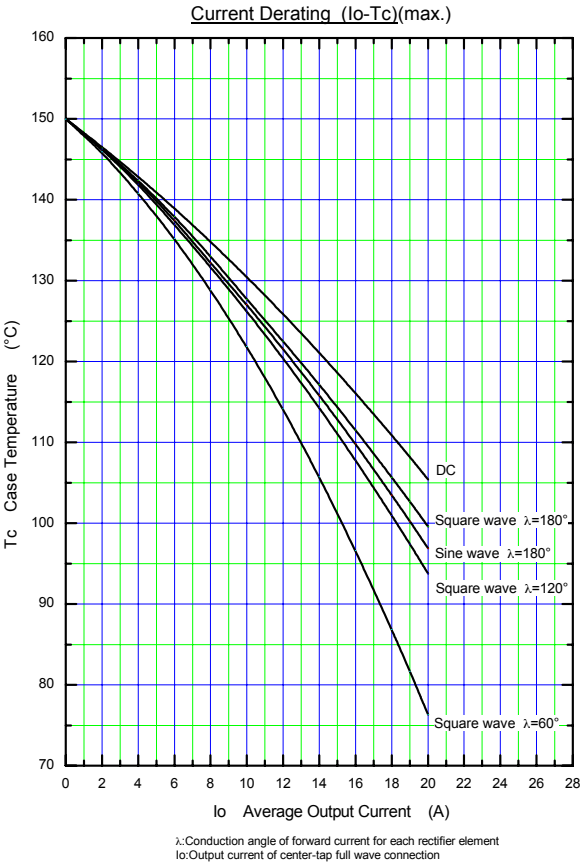


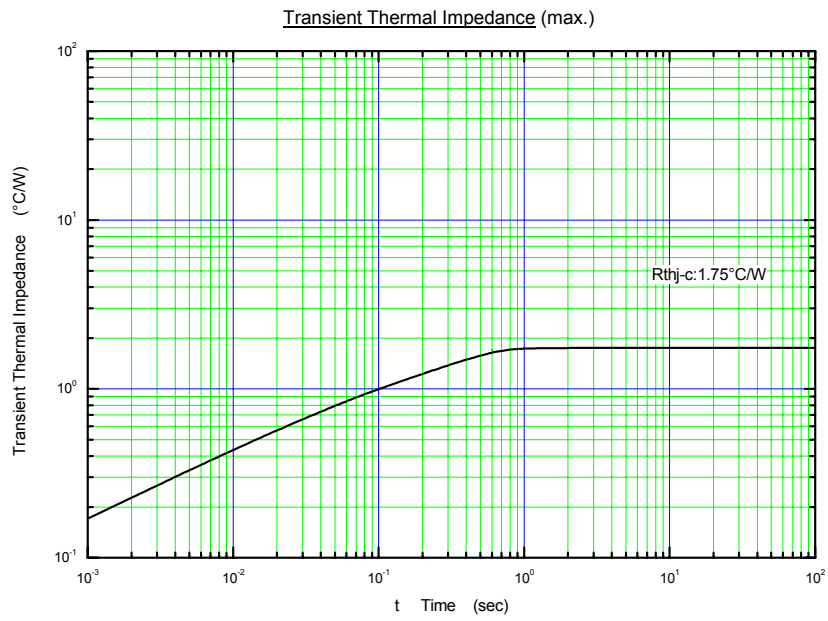
Forward Power Dissipation(max.)



Reverse Power Dissipation(max.)







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