

YG985C6R

FUJI Diode

Low-Loss Fast Recovery Diode

■ Maximum Rating and Characteristics

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

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Item	Symbols	Conditions	Ratings	Units
Repetitive peak reverse voltage	VRRM	-	600	V
Isolating voltage	Viso	Terminals-to-case, AC.1min	1500	V
Average output current	lo	50Hz Square wave duty =1/2 Tc = 60°C	20*	А
Non-repetitive forward surge current**	IFSM	Sine wave, 10ms 1shot	50	Α
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	3.0	V
Reverse current***	IR	V _R =V _{RRM}	30	μA
Reverse recovery time***	trr	I _F =0.1A, I _R =0.2A, Irec =0.05A	0.028	μS
Thermal resistance	Rth(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

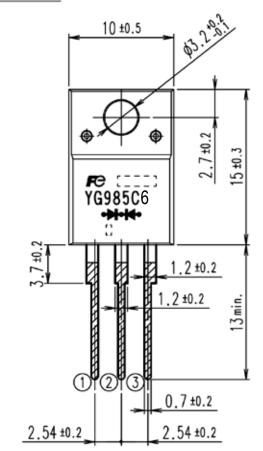
YG985C6R

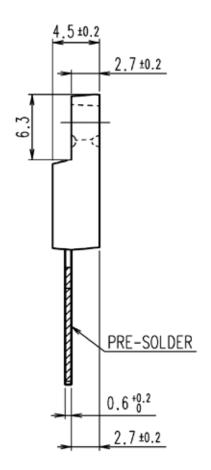
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FUJI Diode

■ Outline Drawings [mm]

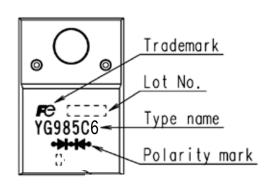
OUT VIEW





DIMENSIONS ARE IN MILLIMETERS.

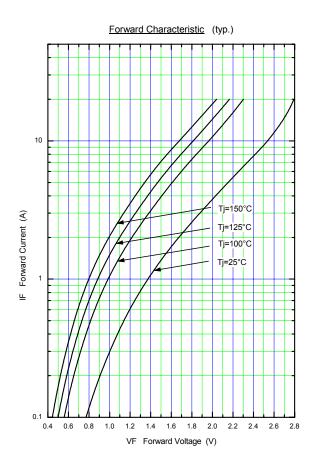
MARKING

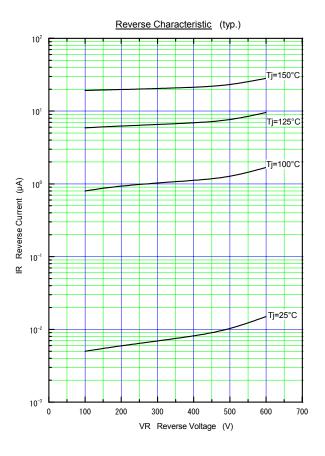


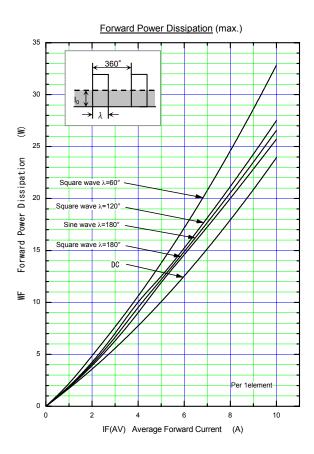
CONNECTION

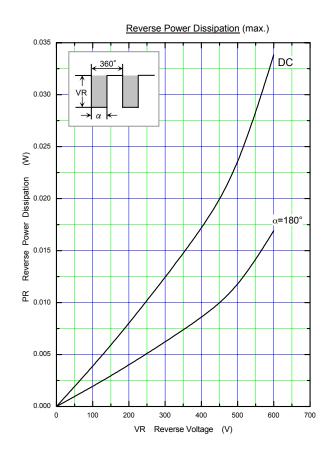


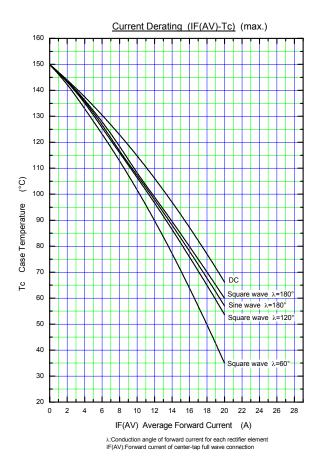
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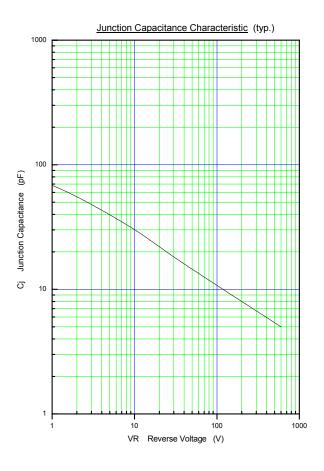


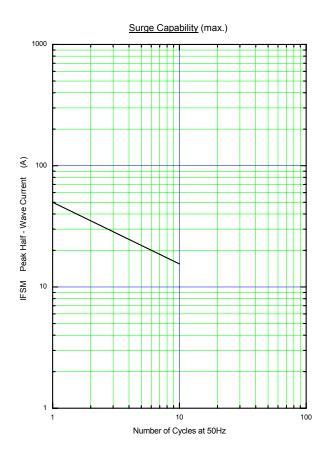




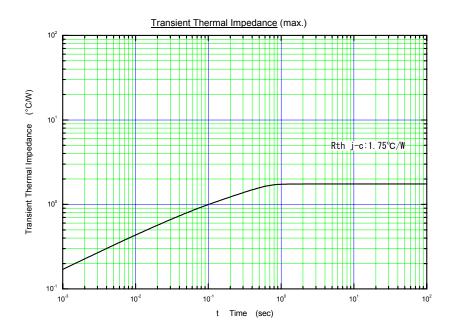








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- Communications equipment (terminal devices)
- Measurement equipment

- Machine tools
- Audiovisual equipment
- Electrical home appliances
- Personal equipment
- Industrial robots etc.
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- Safety devices

- Medical equipment
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