

# YA985C6R

**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
Average output current	lo	50Hz Square wave duty =1/2 Tc = 86°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 <sub>F</sub> =10 A	3.0	V
Reverse current***	IR	V <sub>R</sub> =V <sub>RRM</sub>	30	μA
Reverse recovery time***	trr	I <sub>F</sub> =0.1A, I <sub>R</sub> =0.2A, Irec =0.05A	0.028	μS
Thermal resistance	Rth(j-c)	Junction to case	1.25	°C/W

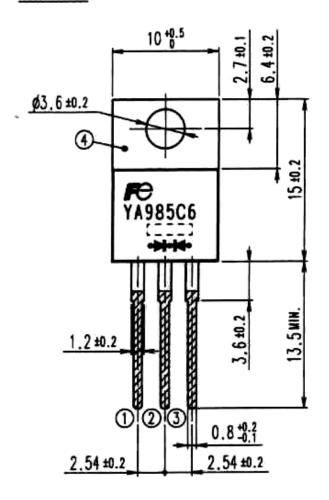
Note\*\*\* Rating per element

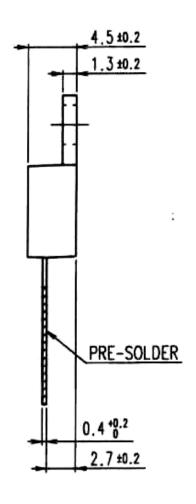
#### Mechanical characteristics

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

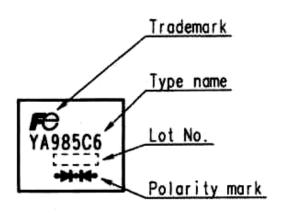
#### ■ Outline Drawings [mm]

## OUT VIEW





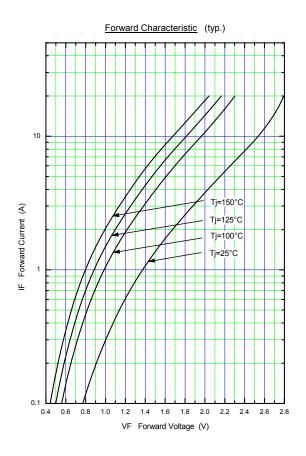
### MARKING

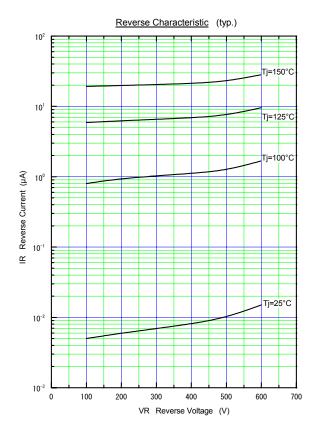


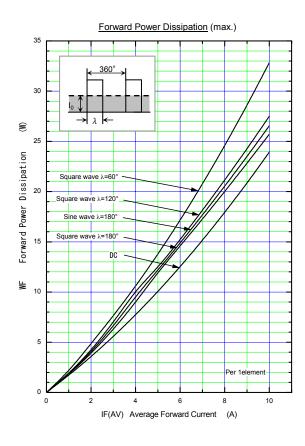
## CONNECTION

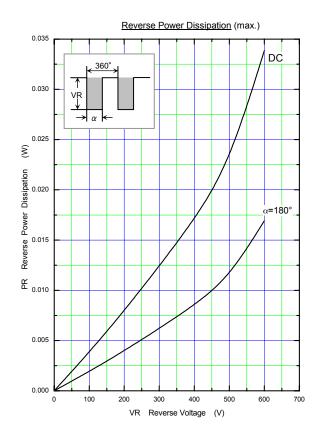


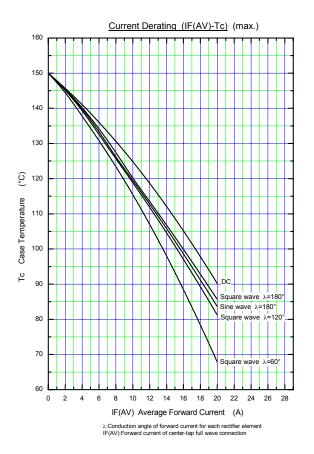
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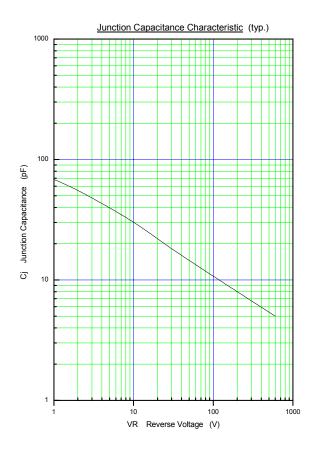


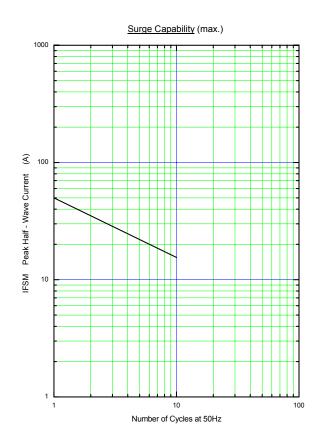


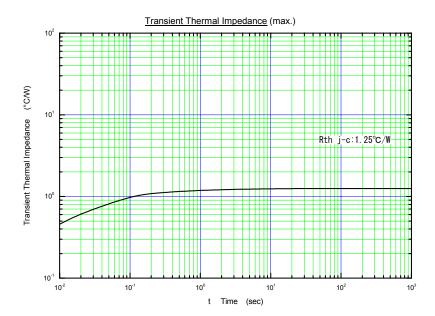












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- Communications equipment (terminal devices)
- Measurement equipment

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- Personal equipment
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