

MS985C3

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	Square wave duty =1/2 Tc = 118°C	20*	А
Non-repetitive forward surge current**	IFSM	Sine wave, 10ms 1shot	110	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	1.3	V
Reverse current***	IR	V _R =V _{RRM}	35	μA
Reverse recovery time***	trr	I _F =0.1A, I _R =0.2A, Irec =0.05A	0.04	μS
Thermal resistance	Rth(j-c)	Junction to case	1.25	°C/W

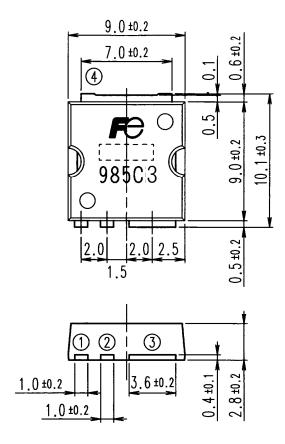
Note*** Rating per element

Mechanical characteristics

Item	Conditions	Maximum	Units
Approximate mass	-	0.8	g

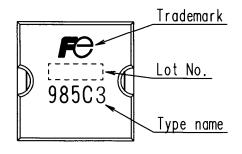
■ Outline Drawings [mm]

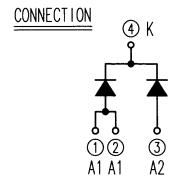
OUT VIEW

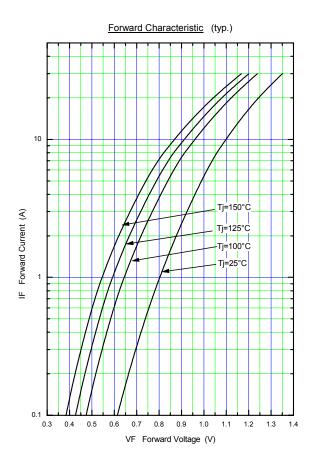


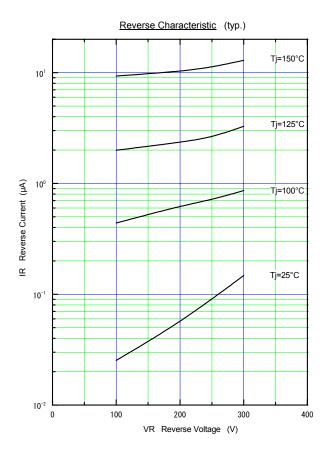
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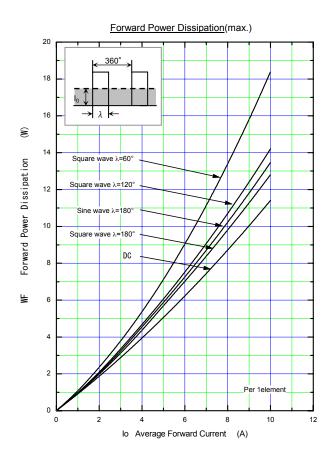
MARKING

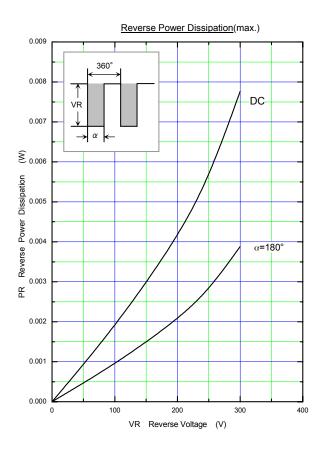


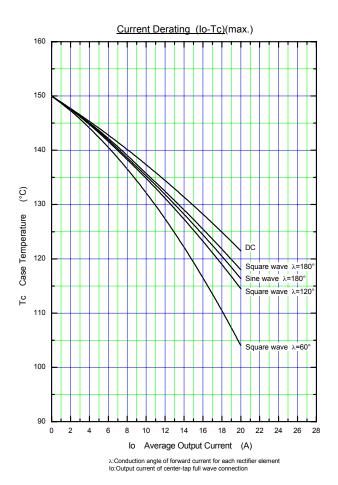


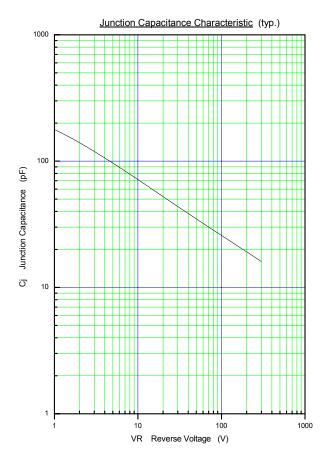


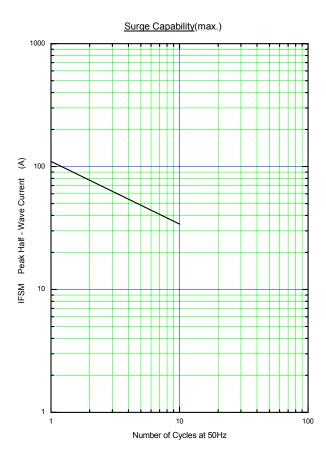


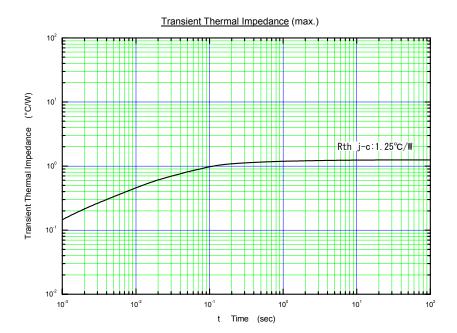












WARNING

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- Communications equipment (terminal devices)
- Measurement equipment

- Machine tools
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- Electrical home appliances
- Personal equipment
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• Traffic-signal control equipment

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- Safety devices

- Medical equipment
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