

YG906C3R

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
Isolating voltage	Viso	Terminals-to-case, AC.1min	1500	V
Average output current	lo	50Hz Square wave duty =1/2 Tc = 109°C	20*	А
Non-repetitive forward surge current**	IFSM	Sine wave, 10ms 1shot	80	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***	V _F	I _F =10 A	1.2	V
Reverse current***	IR	V _R =V _{RRM}	200	μA
Reverse recovery time***	trr	I _F =0.1A, I _R =0.2A, Irec =0.05A	0.035	μS
Thermal resistance	Rth(j-c)	Junction to case	1.5	°C/W

Note*** Rating per element

Mechanical characteristics

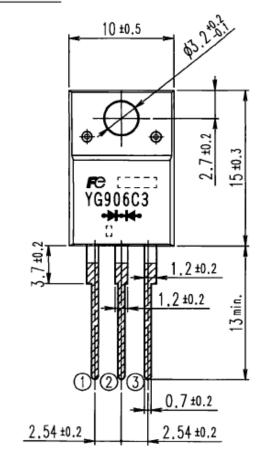
Item	Conditions	Maximum	Units
Mounting torque	Recommended torque	0.3 to 0.5	N•m
Approximate mass	-	1.7	g

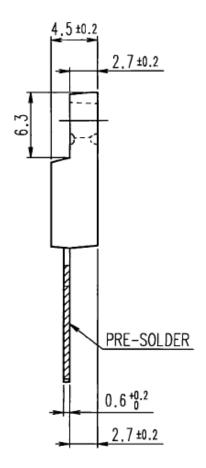
YG906C3R FUJI Diode

http://www.fujisemi.com

■ Outline Drawings [mm]

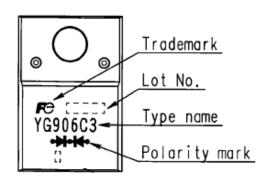
OUT VIEW





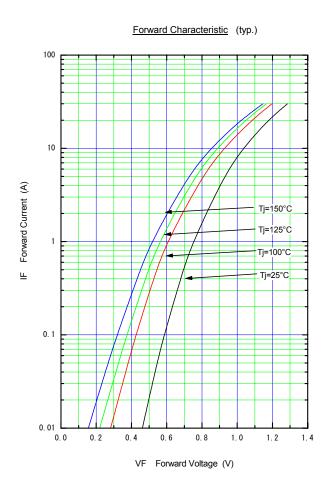
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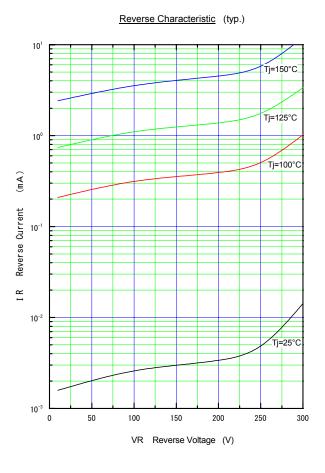
MARKING

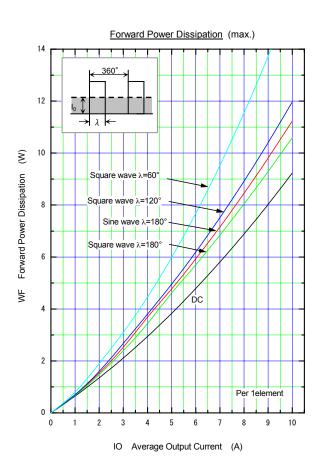


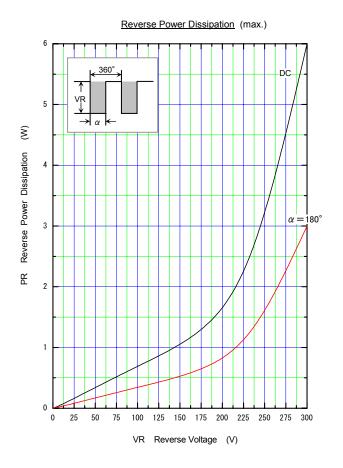
CONNECTION

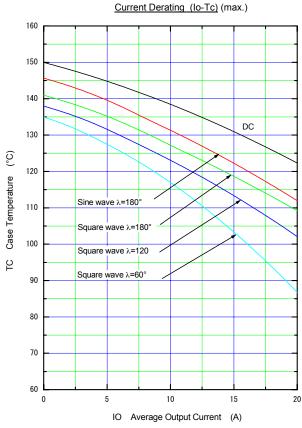


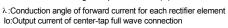


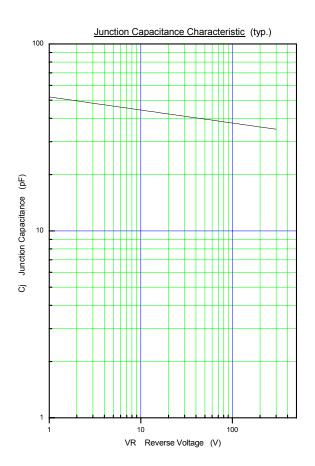


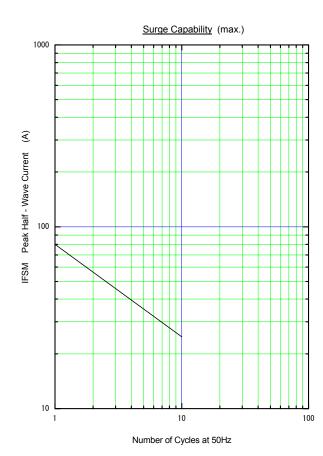


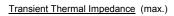


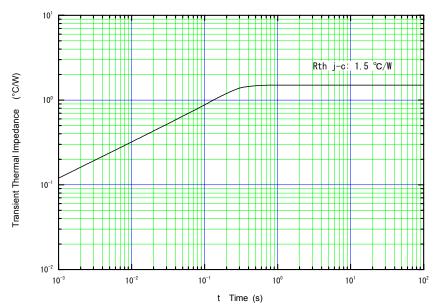












WARNING

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- Measurement equipment

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- Personal equipment
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- Safety devices

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