

YG912S6RR

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}	-	600	V
Isolating voltage	Viso	Terminals-to-case, AC.1min	1500	V
Average forward current	IFAV	50Hz Square wave duty =1/2 Tc = 93°C	10	Α
Non-repetitive forward surge current	IFSM	Sine wave, 10ms 1shot	100	Α
Operating junction temperature	Tj	-	150	°C
Storage temperature	Tstg	-	-40 to +150	°C

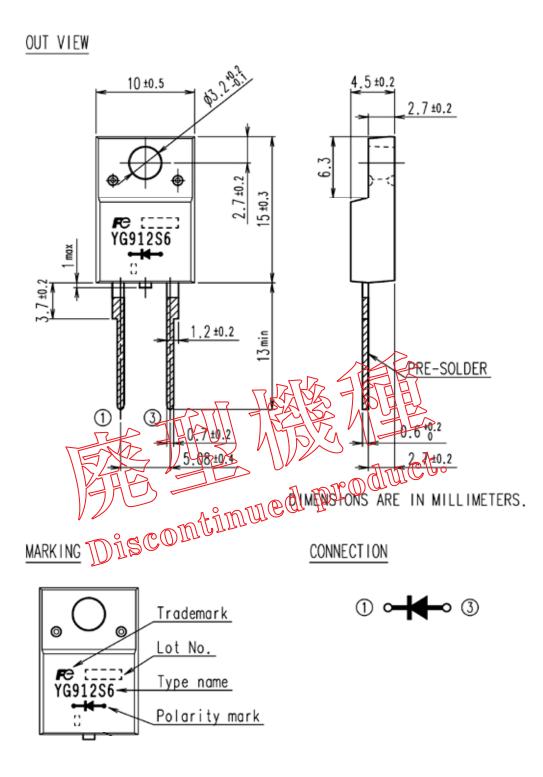
● Electrical characteristics (at Ta=25°C unless otherwise specified.)

Item	Symbols	Conditions	Maximum	Units
Forward voltage	VF	I _F =10 A	1.7	V
Reverse current	IR	V _R =V _{RRM}	100	μΑ
Reverse recovery time	tr.	IR = 0.1A, IR = 0.2AT trec = 0.05A	0.050	μS
Thermal resistance		Junction to case	3.5	°C/W

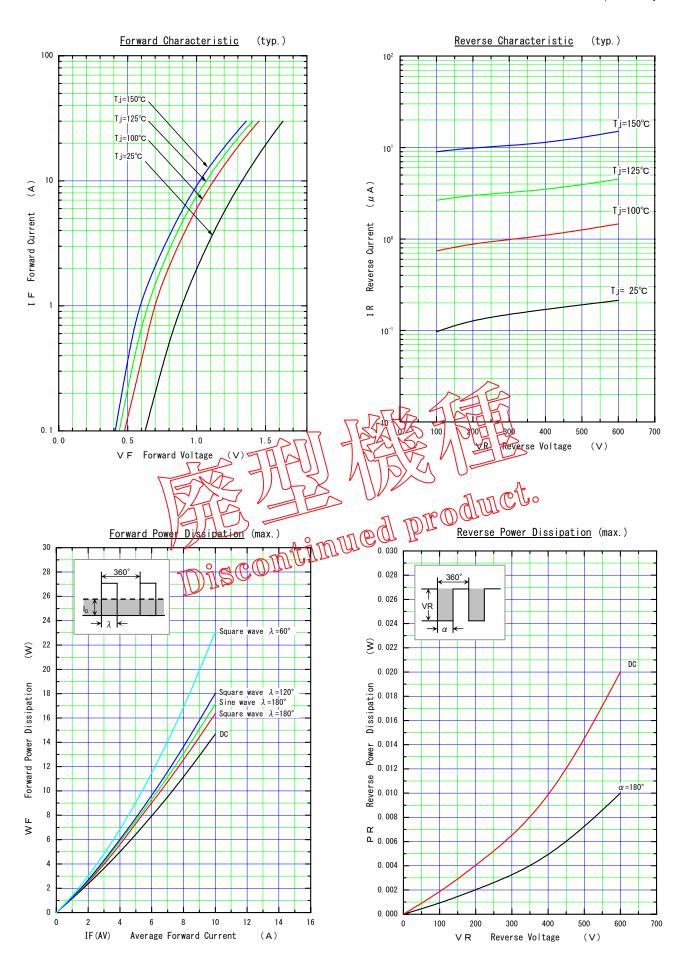
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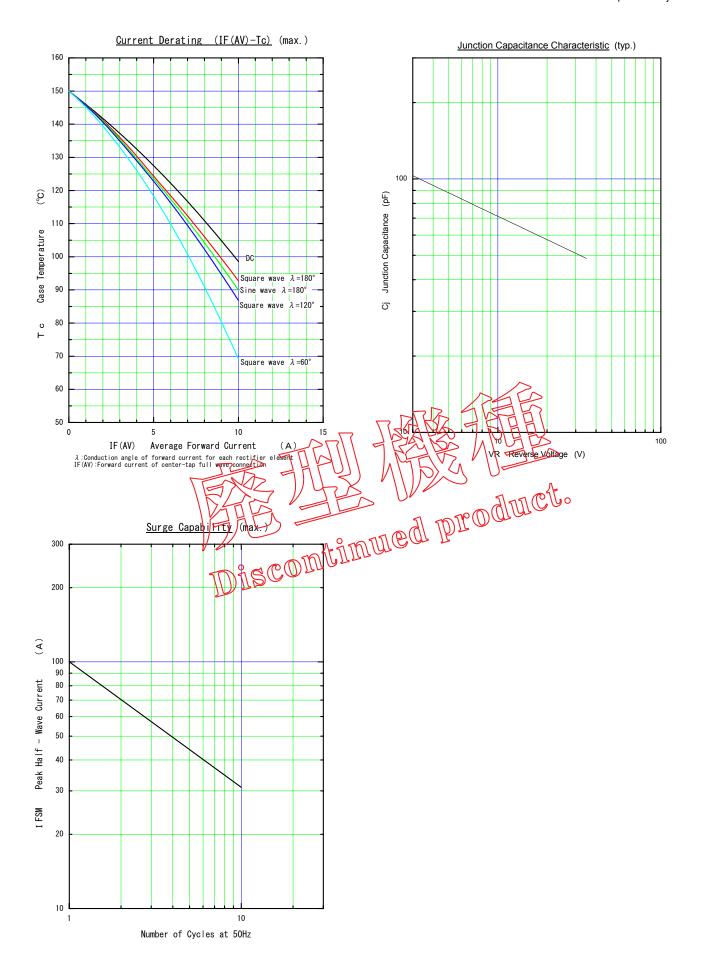
Item	THIS -	Conditions	Maximum	Units
Mounting torque		Recommended torque	0.3 to 0.5	N•m
Approximate mass		A A MULLEUS II	1.7	g
	Discom	TORE		

■ Outline Drawings [mm]

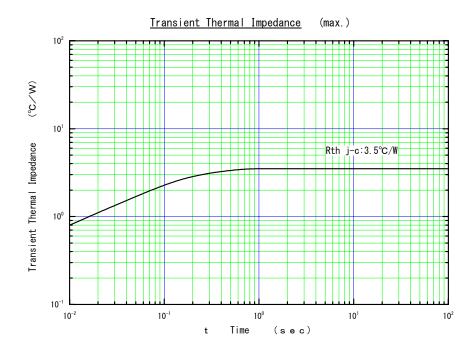


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- · Communications equipment (terminal devices)
- Measurement equipment

- · Machine tools
- · Audiovisual equipment
- Electrical home appliances
- Personal equipment
- · Industrial robots etc.
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- Trunk communications equipment

• Traffic-signal control equipment

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 - · Safety devices

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