

SD882-02-TE12R

FUJI Diode

Schottky Barrier 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}	-	20	V
Average forward current	I_{FAV}	Square wave duty =1/2 Tl = 96 °C	2.0	A
Non-repetitive forward surge current	I_{FSM}	Sine wave, 10ms	70	A
Operating junction temperature	T_j	-	125	°C
Storage temperature	T_{stg}	-	-55 to+125	°C

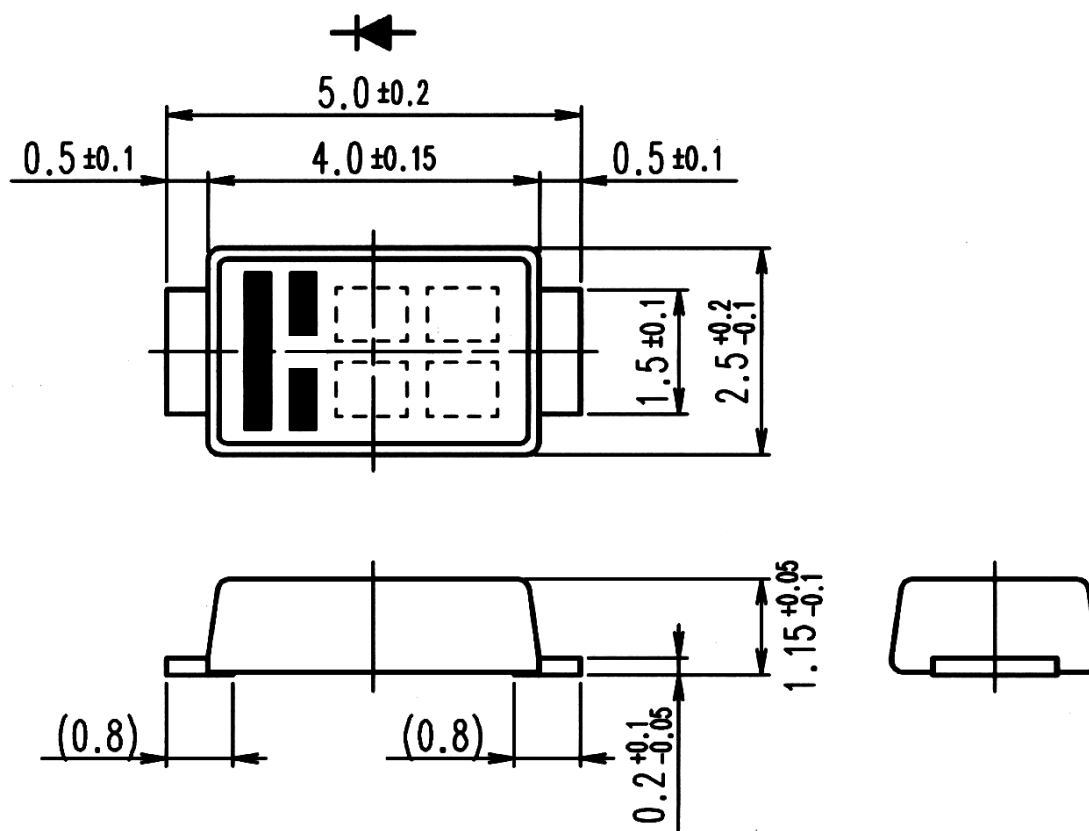
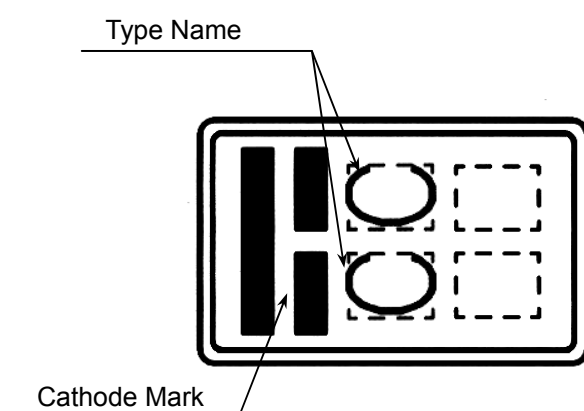
● Electrical characteristics (at Ta=25°C unless otherwise specified.)

Item	Symbols	Conditions	Maximum	Units
Forward voltage	V_F	$I_F = 2.0 \text{ A}$	0.39	V
Reverse current	I_R	$V_R = V_{RRM}$	2.0	mA
Thermal resistance	$R_{th(j-l)}$	Junction to lead	18	°C/W

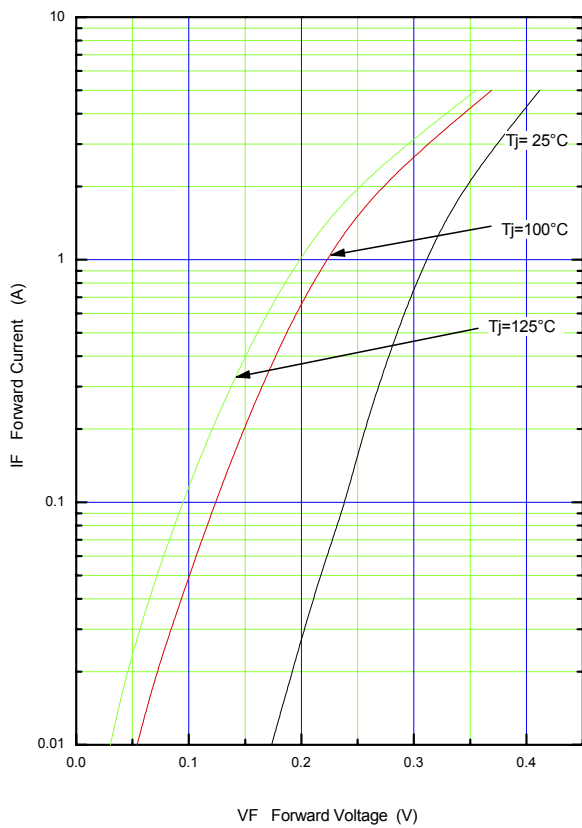
● Mechanical characteristics

Item	Conditions	Maximum	Units
Approximate mass	-	0.035	g

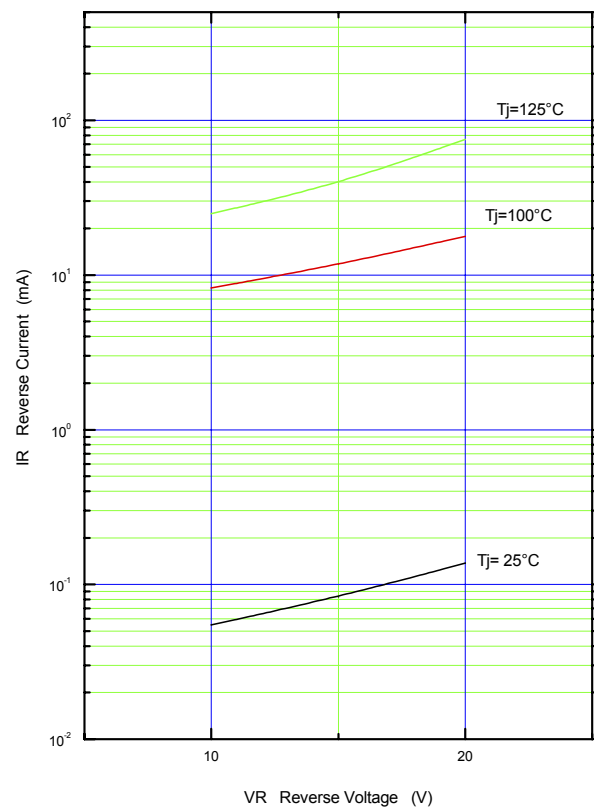
■ Outline Drawings [mm]

Out viewMarking

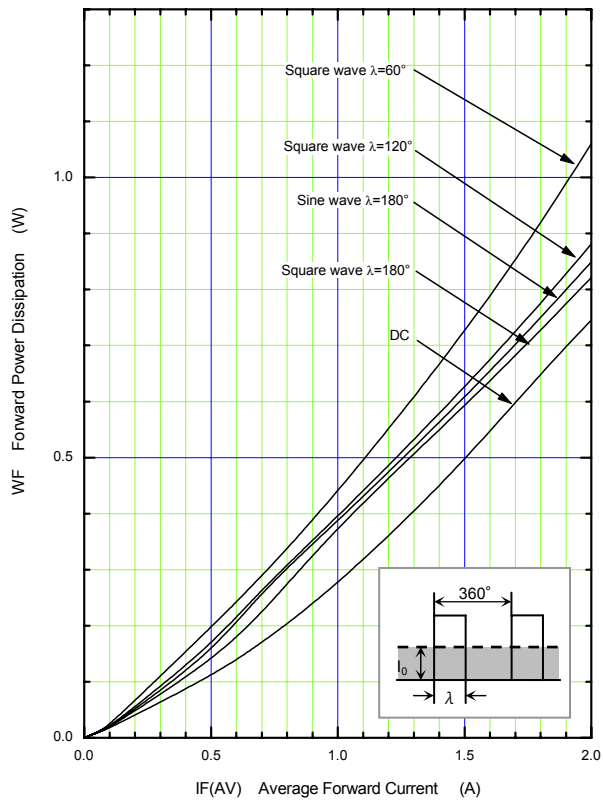
Forward Characteristic (typ.)



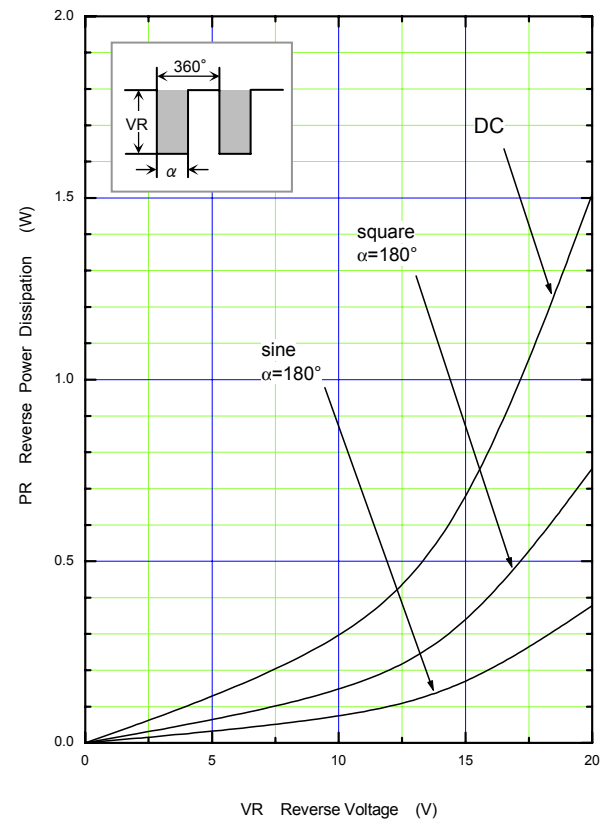
Reverse Characteristic (typ.)



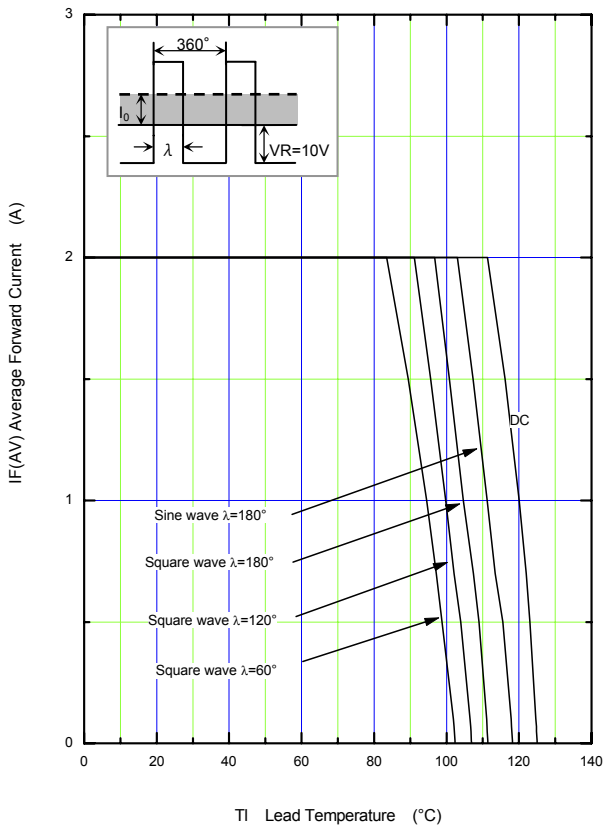
Forward Power Dissipation (max.)



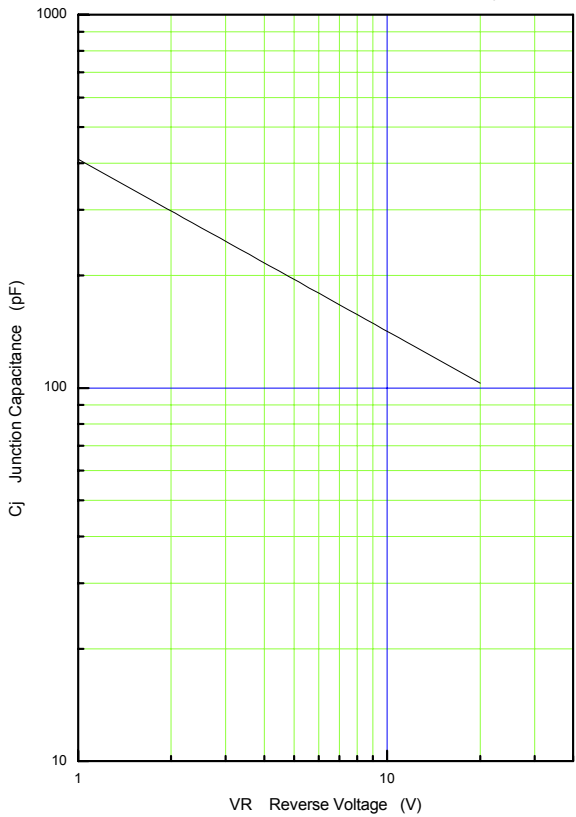
Reverse Power Dissipation(max.)



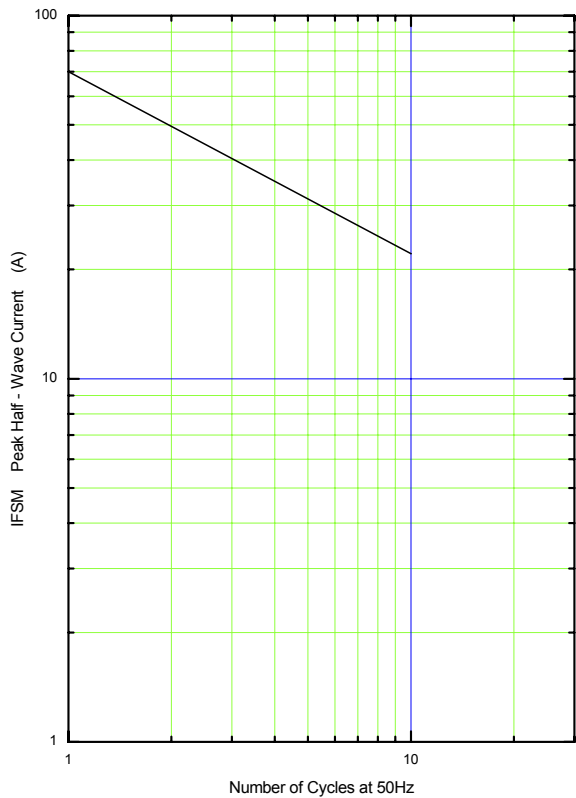
Current Derating (IF(AV)-TI) (max.)



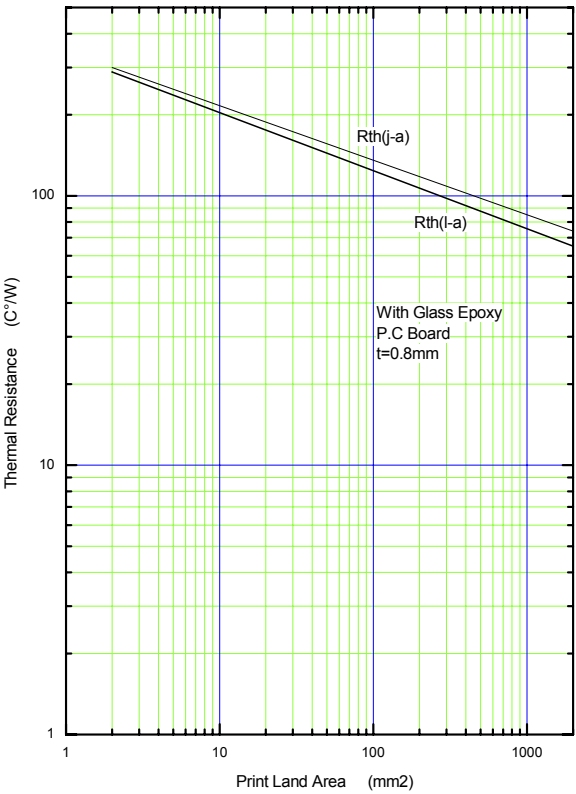
Junction Capacitance Characteristic (typ.)

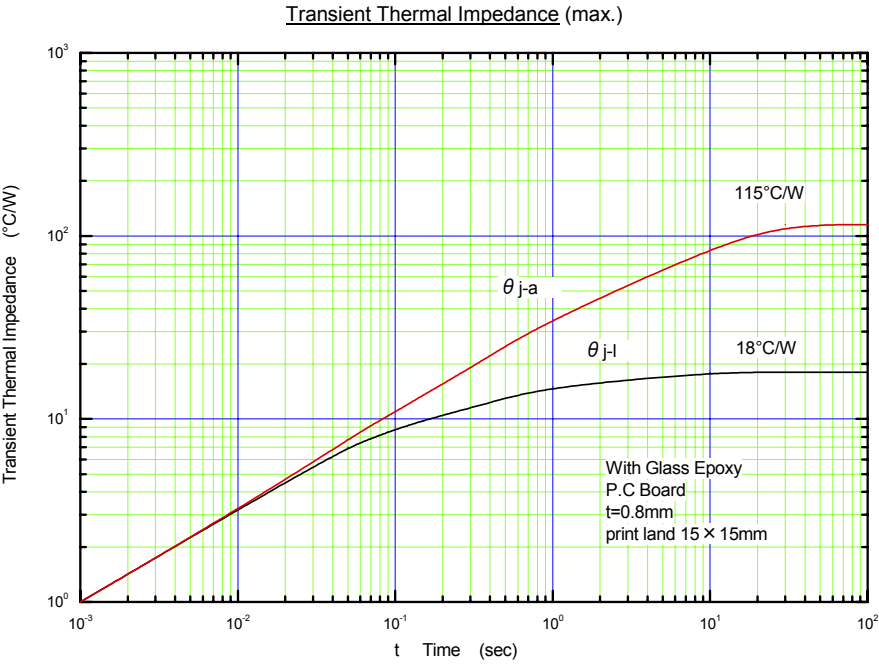


Surge Capability (max.)



Thermal Resistance Print Land (max.)





WARNING

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 - Medical equipment
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