

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.)

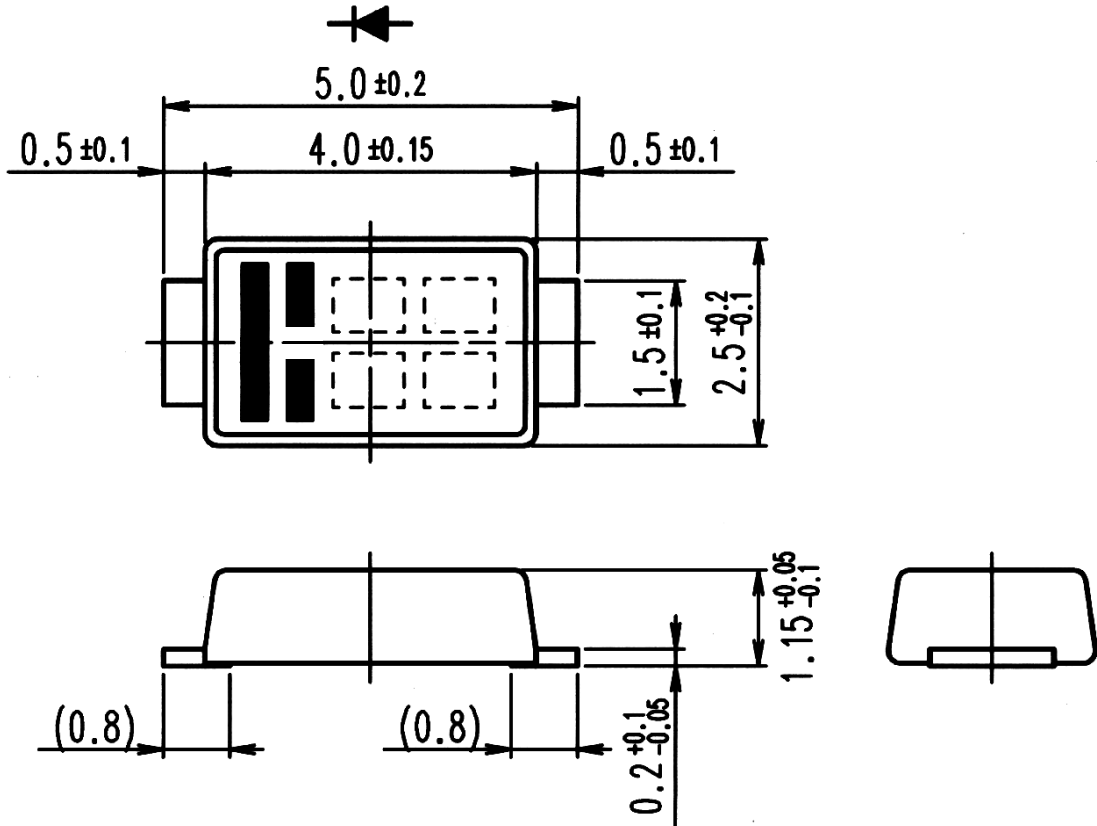
Item	Symbols	Conditions	Maximum	Units
Forward voltage	V _F	I _F = 2.0 A	0.39	V
Reverse current	I _R	V _R =V _{RRM}	2.0	mA
Thermal resistance	R _{th(j-l)}	Junction to lead	18	°C/W

● Mechanical characteristics

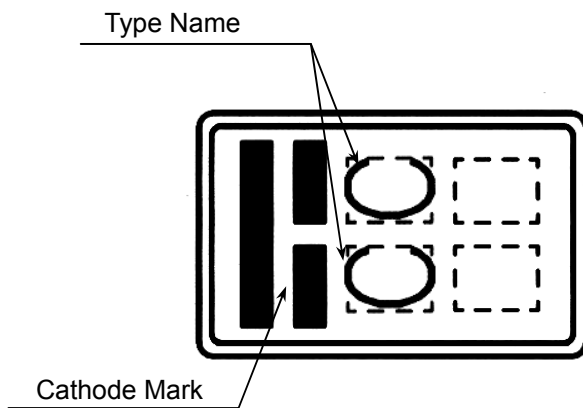
Item	Conditions	Maximum	Units
Approximate mass	-	0.035	g

■ Outline Drawings [mm]

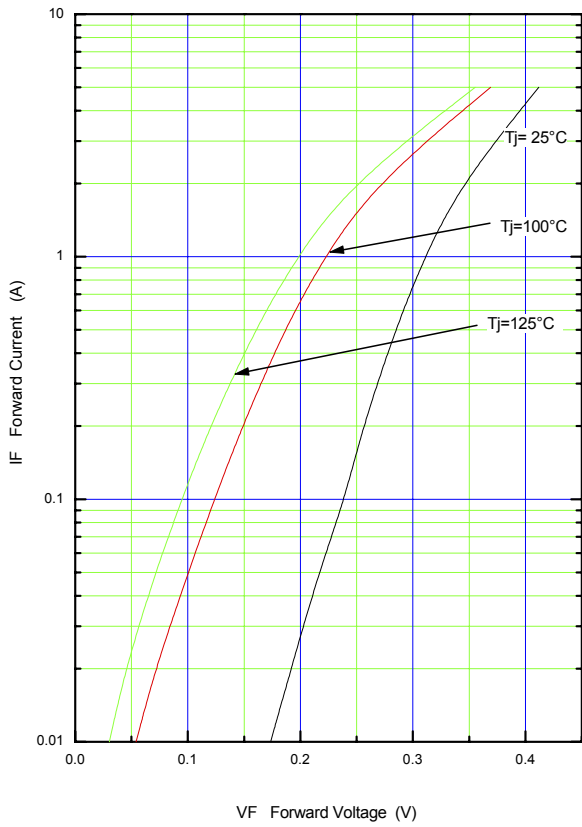
Out view



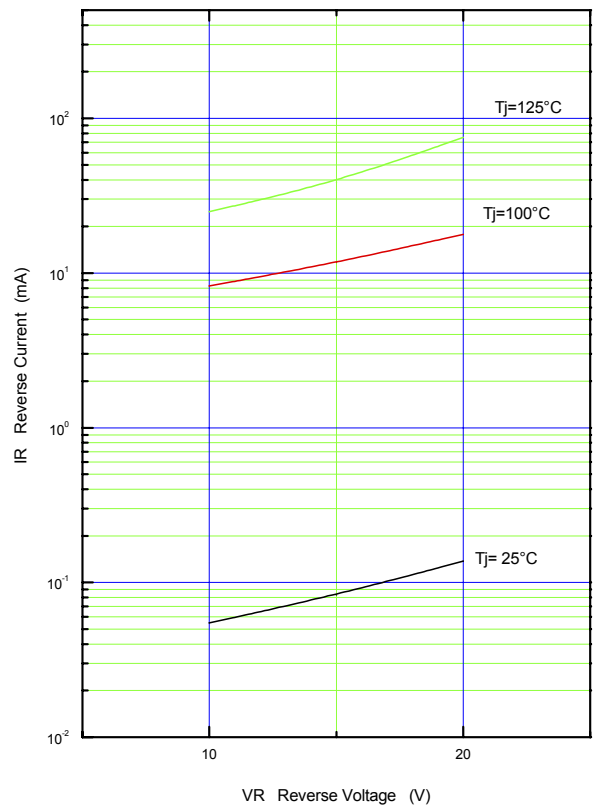
Marking



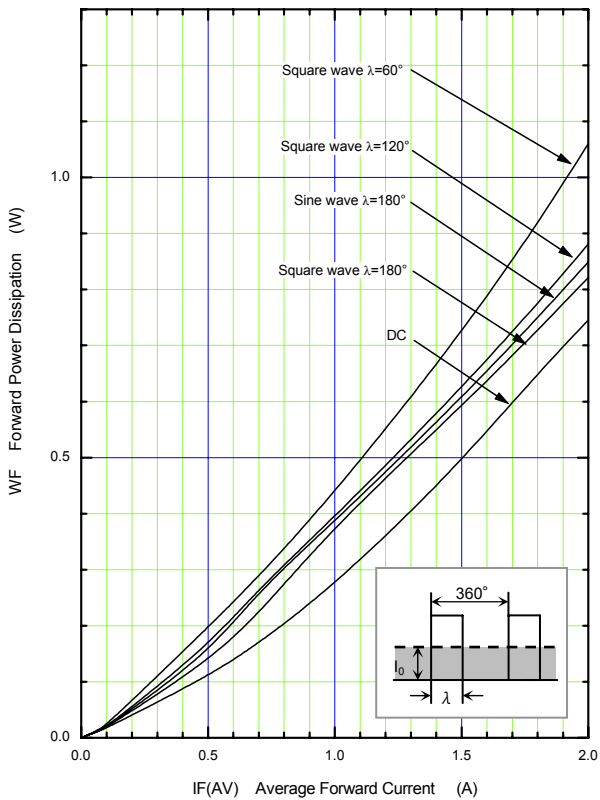
Forward Characteristic (typ.)



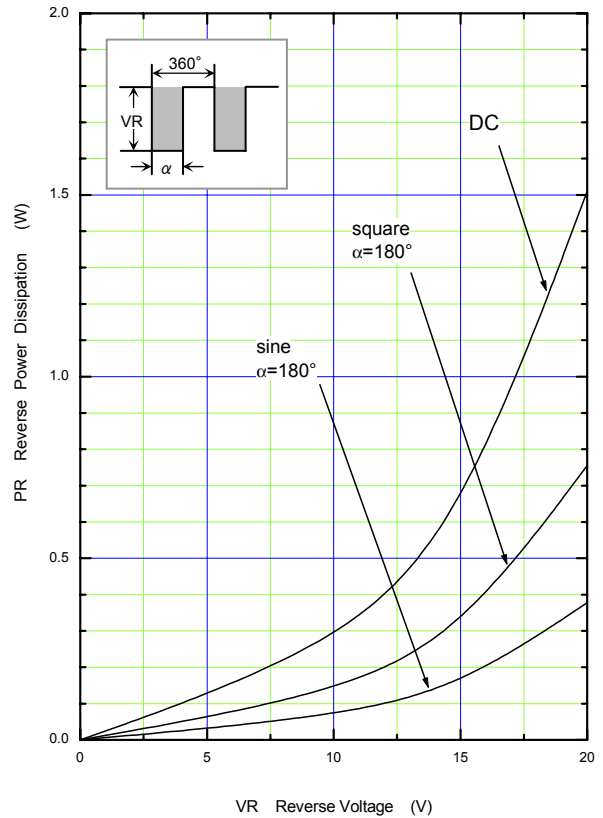
Reverse Characteristic (typ.)



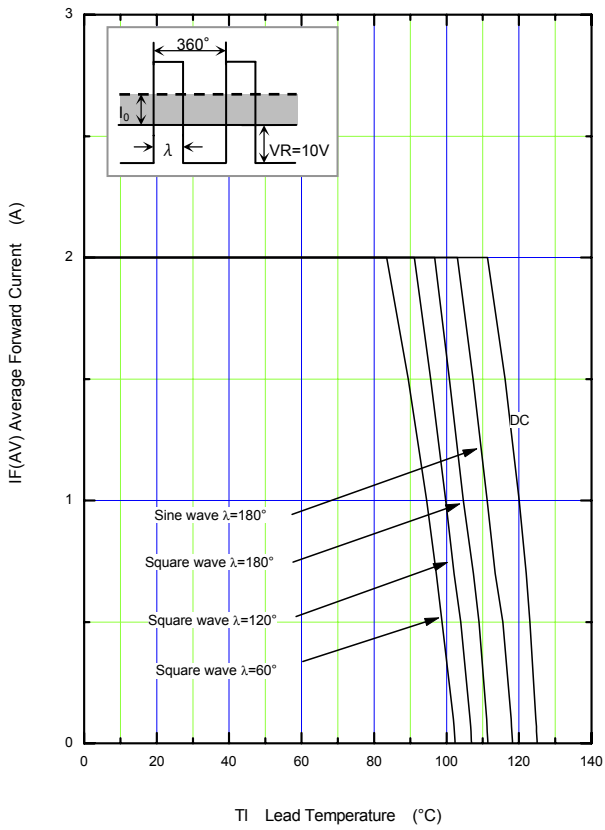
Forward Power Dissipation (max.)



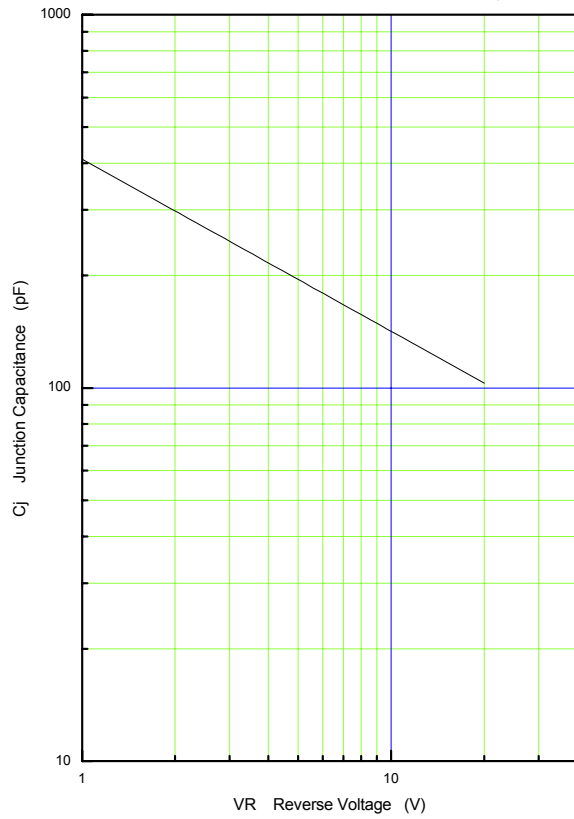
Reverse Power Dissipation(max.)



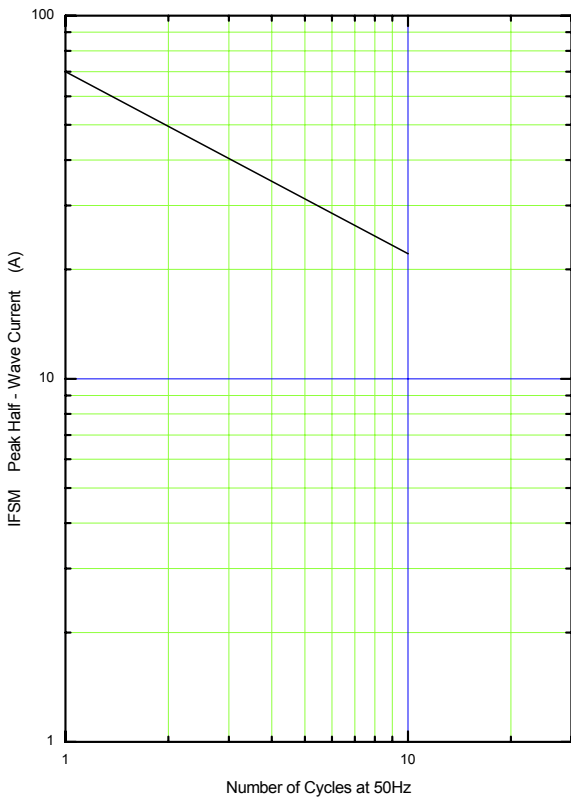
Current Derating (IF(AV)-TI) (max.)



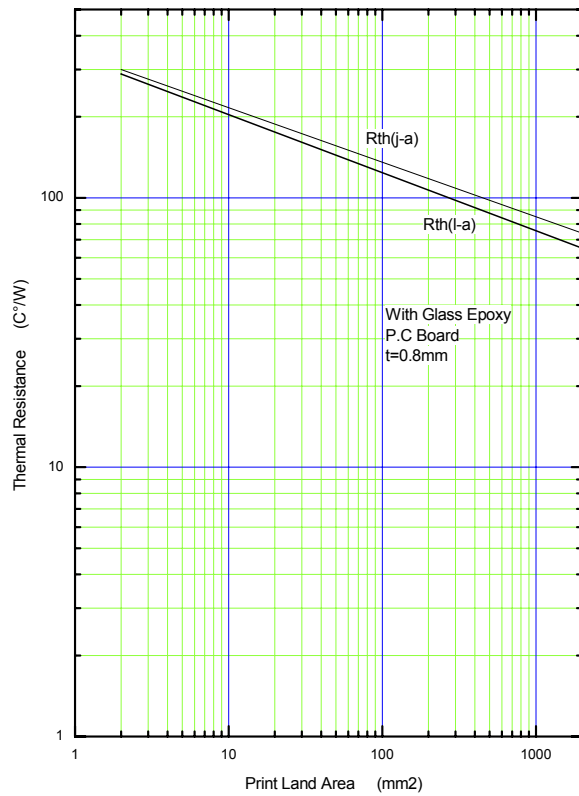
Junction Capacitance Characteristic (typ.)

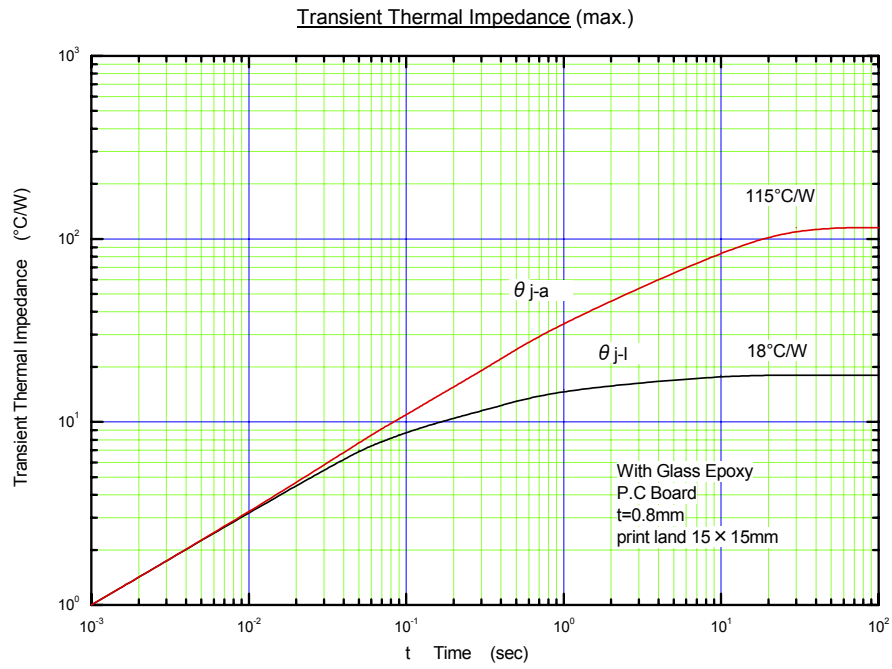


Surge Capability (max.)



Thermal Resistance Print Land (max.)





WARNING

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