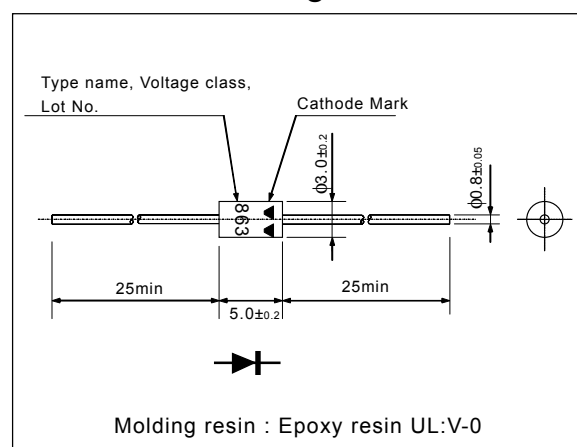


HIGH VOLTAGE SCHOTTKY BARRIER DIODE

Outline drawings, mm



Features

- High voltage
- Low V_F
- Super high speed switching
- High reliability by planer design

Applications

- High speed switching

Maximum ratings and characteristics

- Absolute maximum ratings (at $T_c=25^\circ\text{C}$ unless otherwise specified)

Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		200	V
Average forward current	I_{FAV}	Square wave duty=1/2 $T_I=121^\circ\text{C}$	2.0	A
Non-repetitive forward surge current	I_{FSM}	Sine wave 10ms, 1shot	40	A
Operating junction temperature	T_j		150	$^\circ\text{C}$
Storage temperature	T_{stg}		-40 to +150	$^\circ\text{C}$

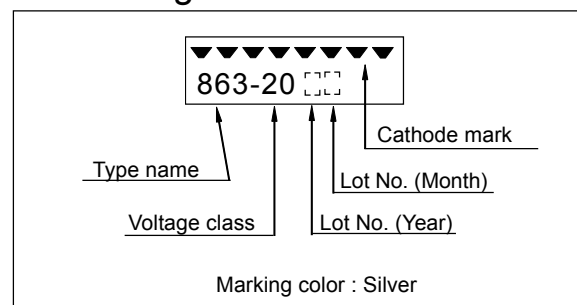
- Electrical characteristics (at $T_c=25^\circ\text{C}$ unless otherwise specified)

Item	Symbol	Conditions	Max.	Unit
Forward voltage	V_F	$I_{FM}=2.0\text{A}$	1.25	V
Reverse current	I_R	$V_R=V_{RRM}$	100	μA

- Mechanical characteristics

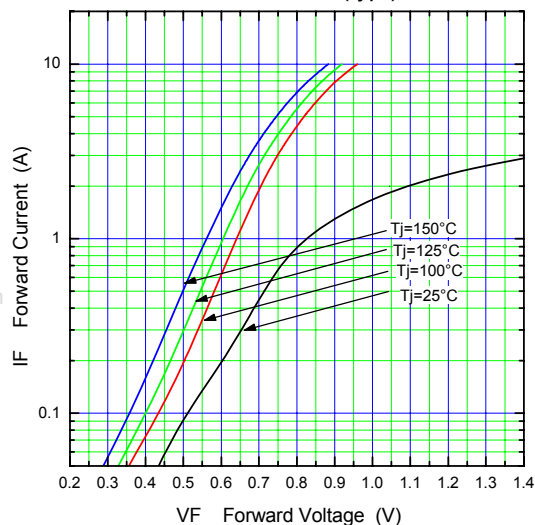
Approximate mass	0.3	g
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Marking

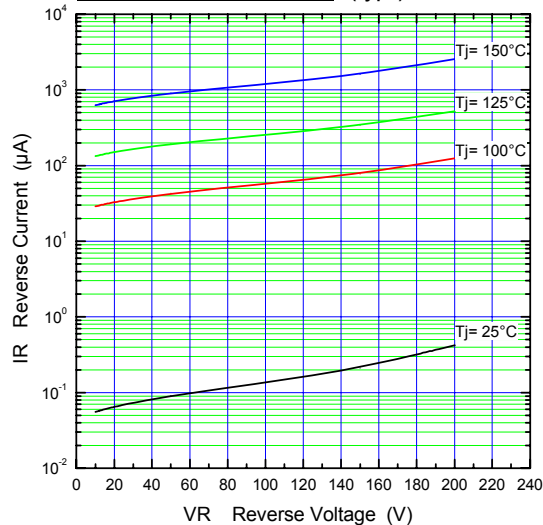


Characteristics

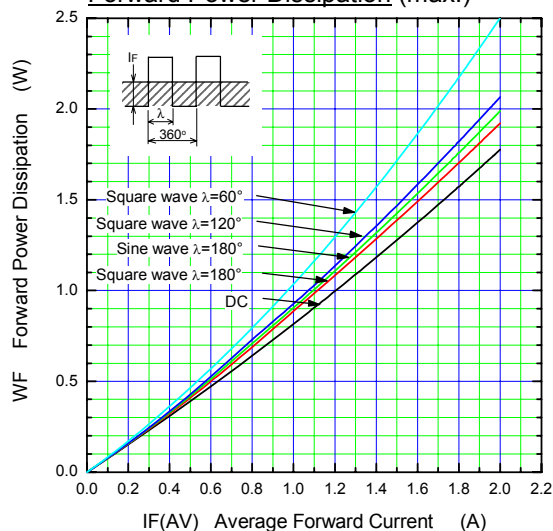
Forward Characteristic (typ.)



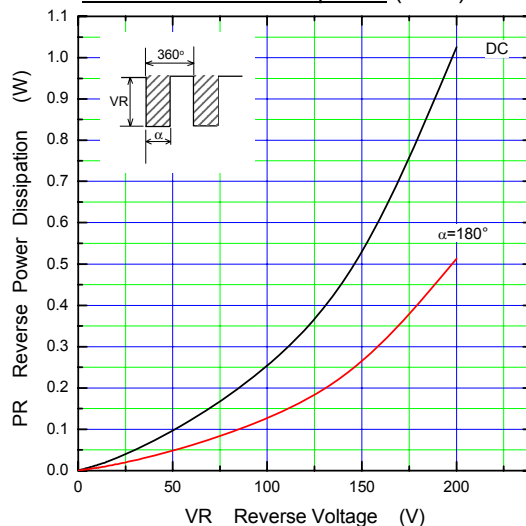
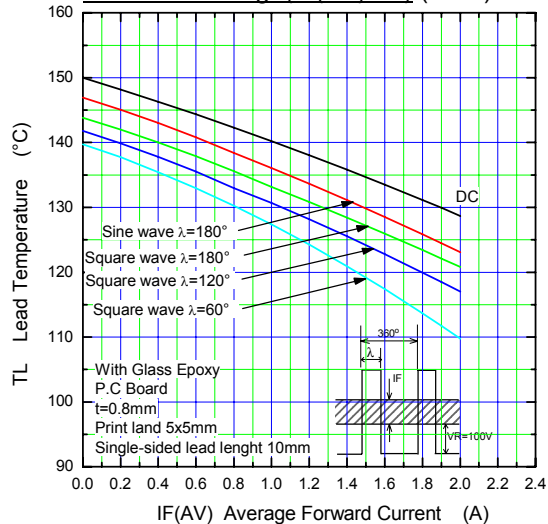
Reverse Characteristic (typ.)



Forward Power Dissipation (max.)



Reverse Power Dissipation (max.)

Current Derating ($I_F(AV)$ - T_L) (max.)

λ : Conduction angle of forward current for each rectifier element

Junction Capacitance Characteristic (typ.)

