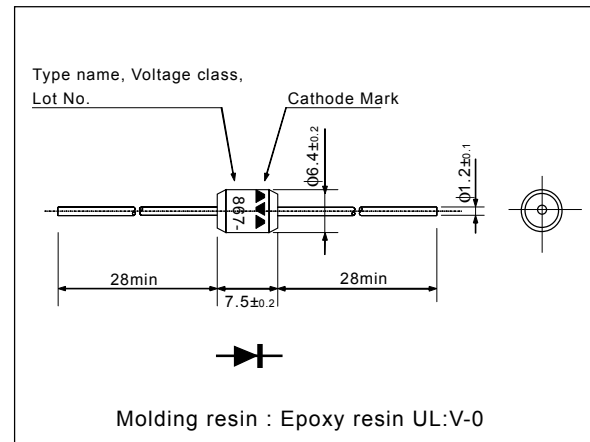


FD867-12 (120V / 3.0A)

HIGH VOLTAGE SCHOTTKY BARRIER DIODE

■ Outline drawings, mm



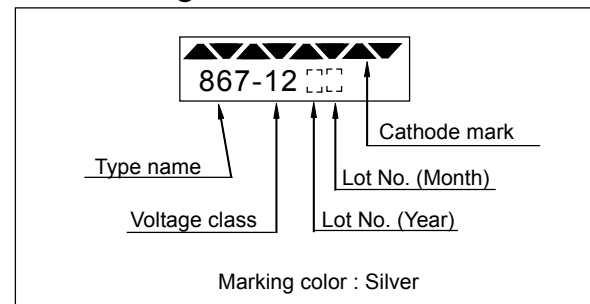
■ Features

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

■ Applications

- High speed switching

■ Marking



■ Maximum ratings and characteristics

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

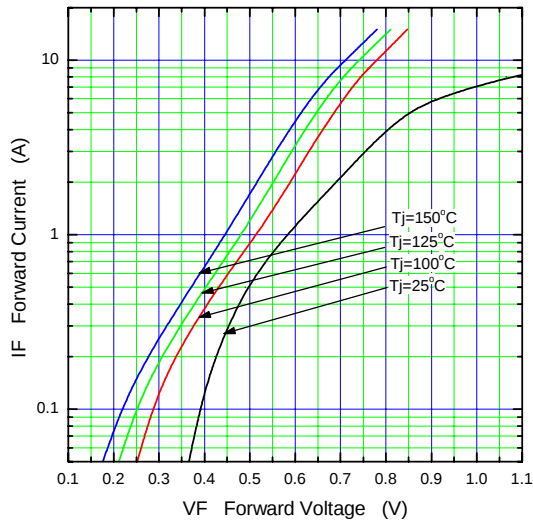
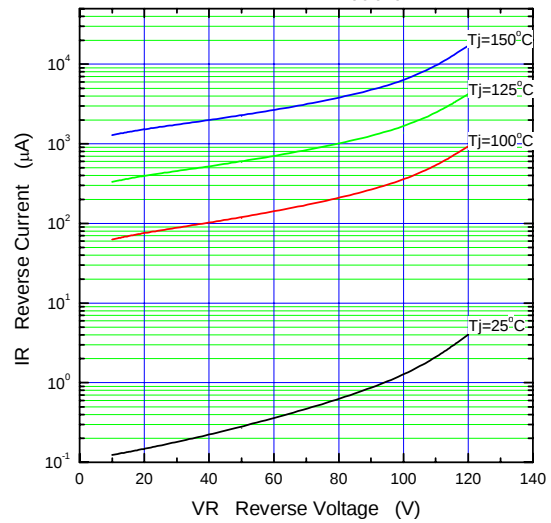
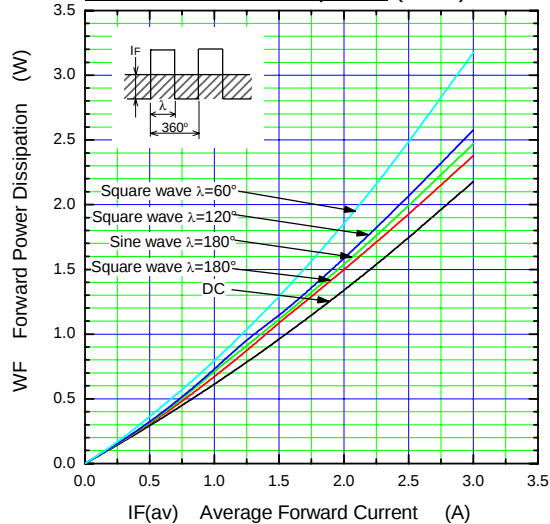
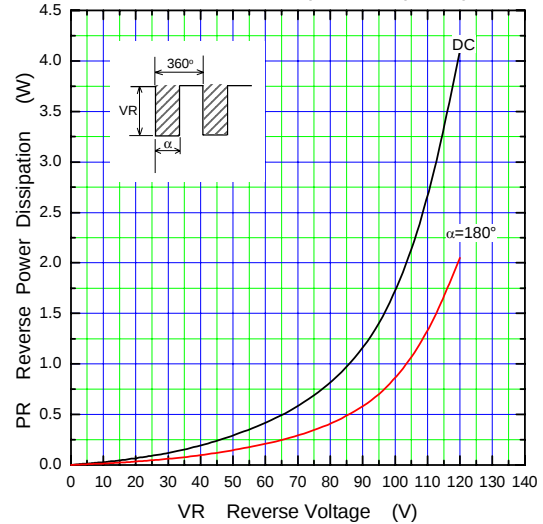
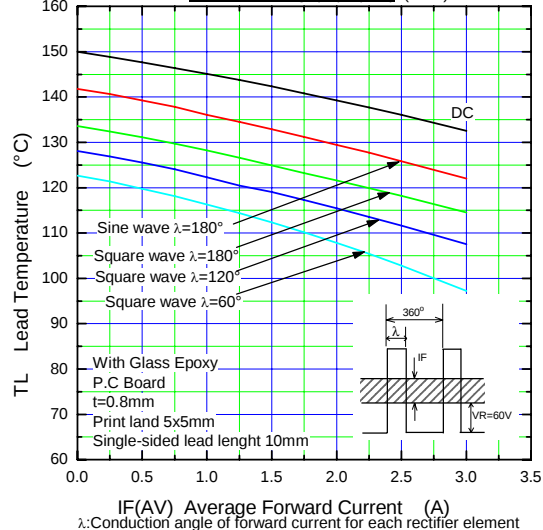
Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		120	V
Average forward current	I_{FAV}	Square wave duty=1/2 $T_I=115^\circ\text{C}$	3.0	A
Non-repetitive forward surge current	I_{FSM}	Sine wave 10ms, 1shot	100	A
Operating junction temperature	T_j		150	$^\circ\text{C}$
Storage temperature	T_{stg}		-40 to +150	$^\circ\text{C}$

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

Item	Symbol	Conditions	Max.	Unit
Forward voltage	V_F	$I_{FM}=3.0\text{A}$	0.88	V
Reverse current	I_R	$V_R=V_{RRM}$	120	μA

- Mechanical characteristics

Approximate mass	1.2	g
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■ Characteristics**Forward Characteristic (typ.)****Reverse Characteristic (typ.)****Forward Power Dissipation (max.)****Reverse Power Dissipation (max.)****Current Derating ($I_F(AV) \cdot T_L$) (max.)****Junction Capacitance Characteristic (typ.)**