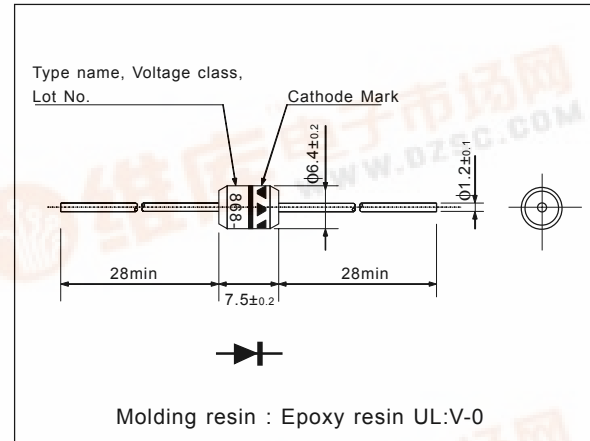


FD868-12 (120V / 4.0A)



HIGH VOLTAGE SCHOTTKY BARRIER DIODE

Outline drawings, mm



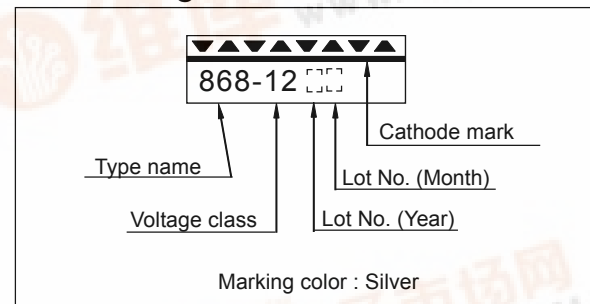
Features

- 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)

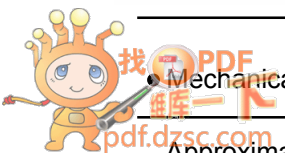
Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		120	V
Average forward current	I_{FAV}	Square wave duty=1/2 $T_I=106^\circ\text{C}$	4.0	A
Non-repetitive forward surge current	I_{FSM}	Sine wave 10ms, 1shot	120	A
Operating junction temperature	T_j		150	$^\circ\text{C}$
Storage 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	$I_{FM}=4.0\text{A}$	0.88	V
Reverse current	I_R	$V_R=V_{RRM}$	150	μA

- Mechanical characteristics

Approximate mass	1.2	g
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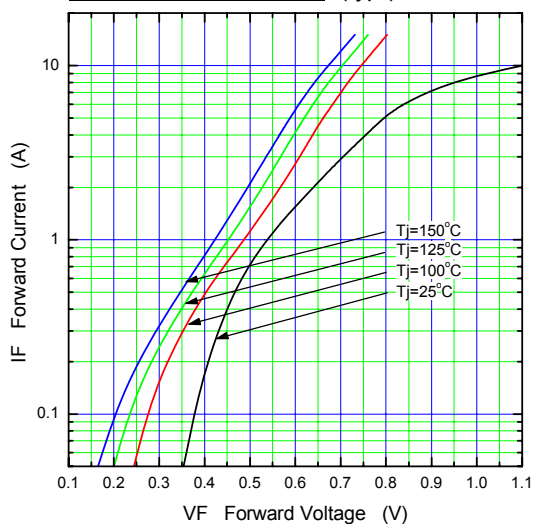


(120V / 4.0A)

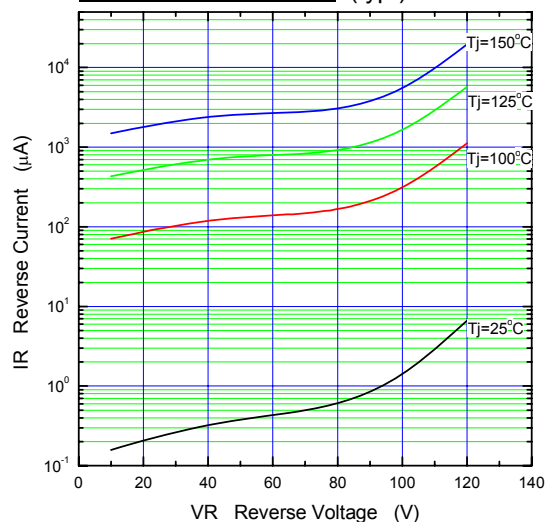
FD868-12 (4.0A)

Characteristics

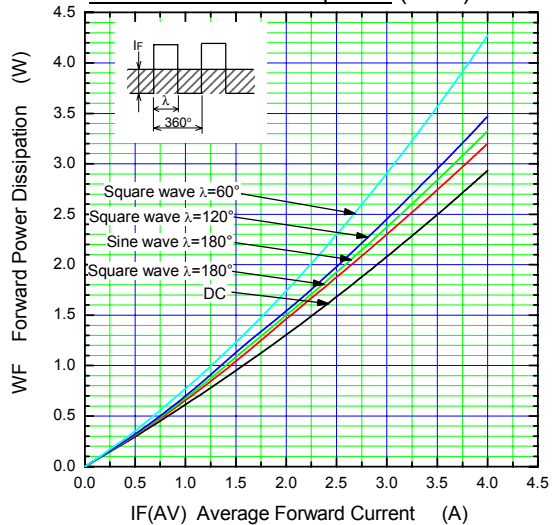
Forward Characteristic (typ.)



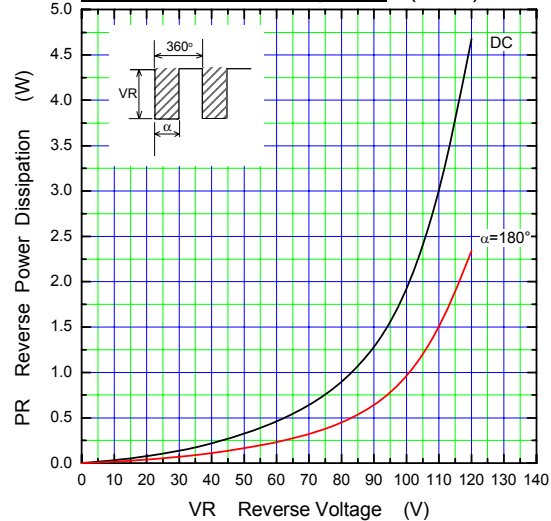
Reverse Characteristic (typ.)



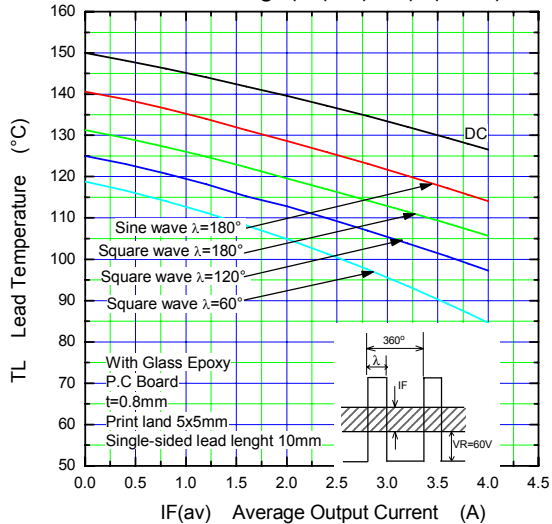
Forward Power Dissipation (max.)



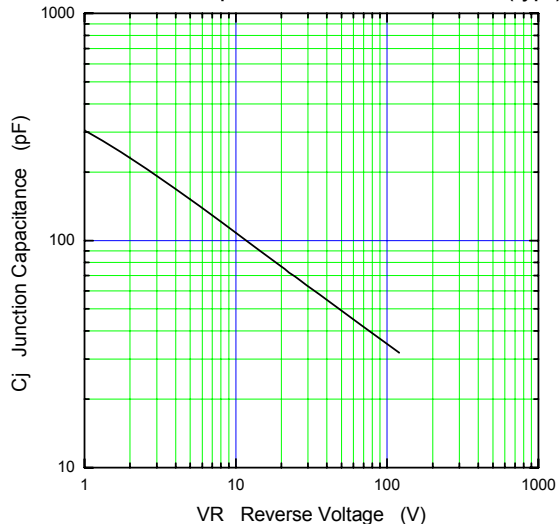
Reverse Power Dissipation (max.)



Current Derating ($I_{F(AV)}-T_L$) (max.)



Junction Capacitance Characteristic (typ.)



(120V / 4.0A)

FD868-12 (4.0A)

