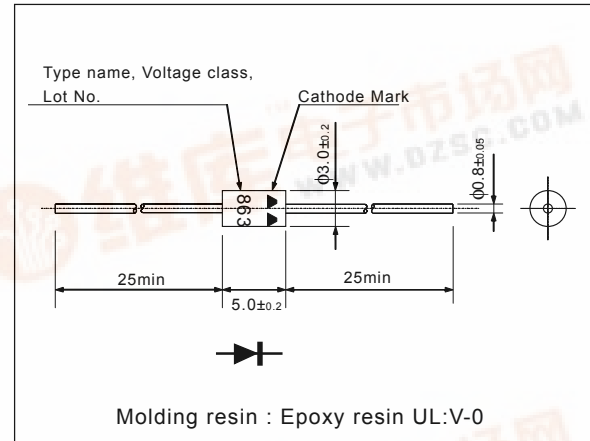


CB863-15 (150V / 2.0A)



HIGH VOLTAGE SCHOTTKY BARRIER DIODE

Outline drawings, mm



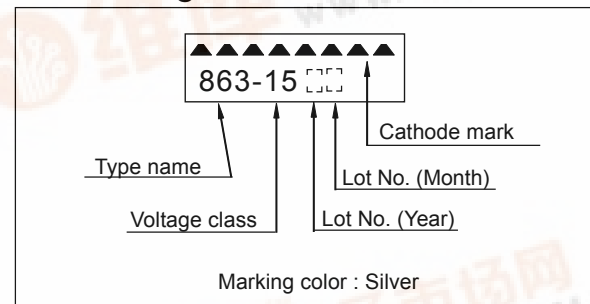
Features

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

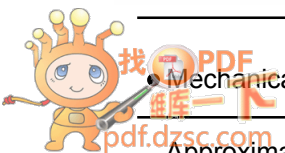
Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		150	V
Average forward current	I_{FAV}	Square wave duty=1/2 $T_I=116^\circ\text{C}$	2.0	A
Non-repetitive forward surge current	I_{FSM}	Sine wave 10ms, 1shot	60	A
Operating junction temperature	T_j		150	$^\circ\text{C}$
Storage 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	$I_{FM}=2.0\text{A}$	0.9	V
Reverse current	I_R	$V_R=V_{RRM}$	80	μA

- Mechanical characteristics

Approximate mass	0.3	g
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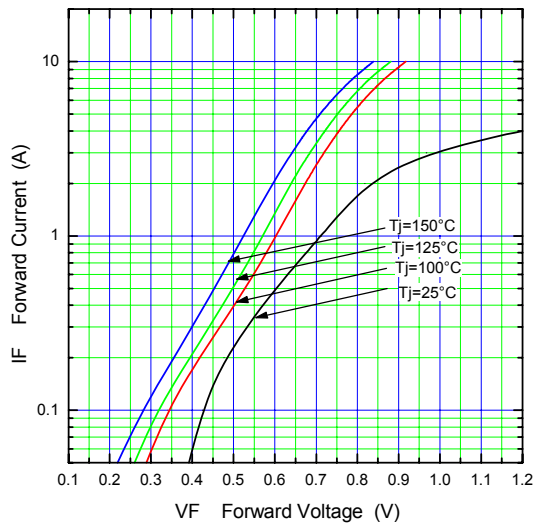


(150V / 2.0A)

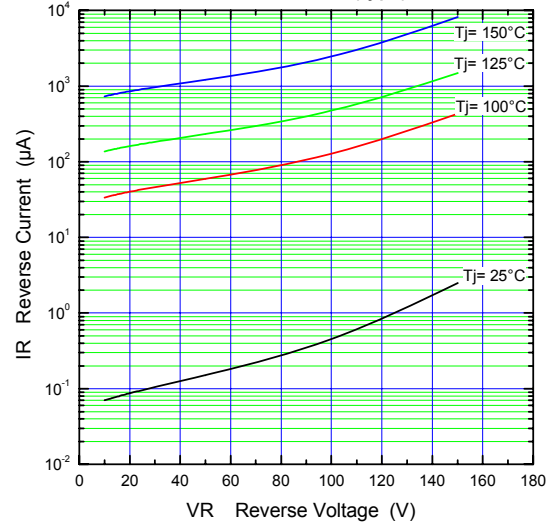
CB863-15 (2.0A)

Characteristics

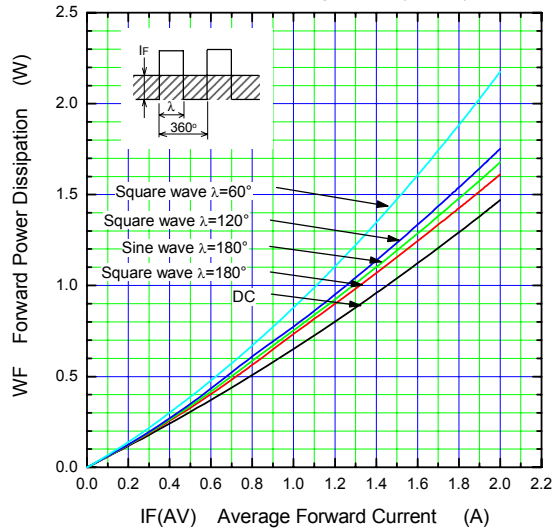
Forward Characteristic (typ.)



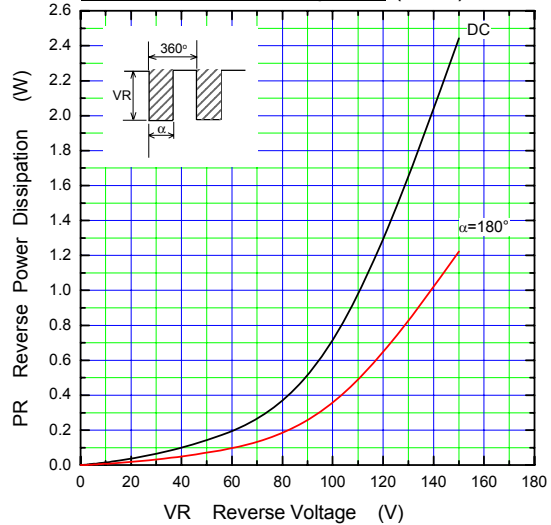
Reverse Characteristic (typ.)



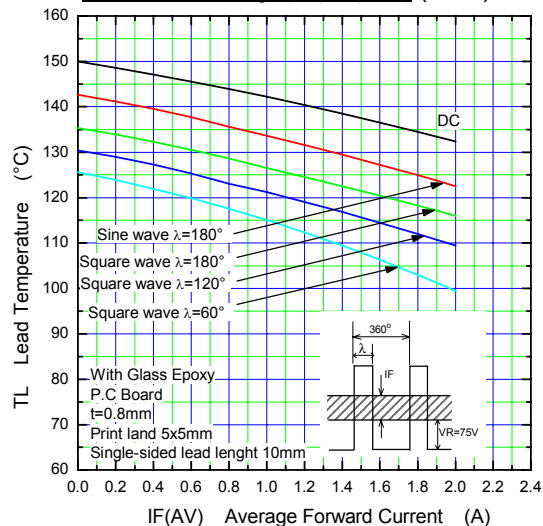
Forward Power Dissipation (max.)



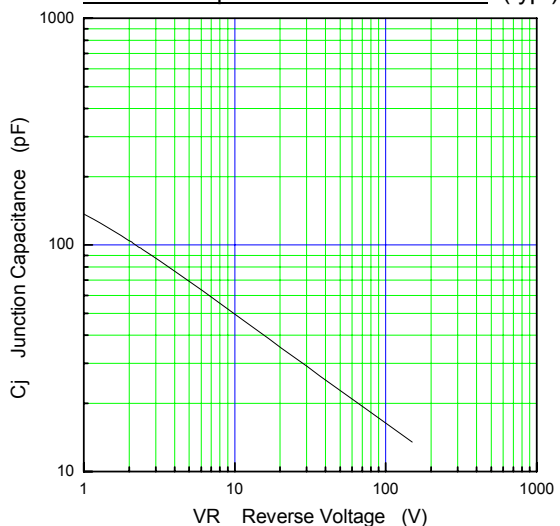
Reverse Power Dissipation (max.)



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



Junction Capacitance Characteristic (typ.)



(150V / 2.0A)

CB863-15 (2.0A)

