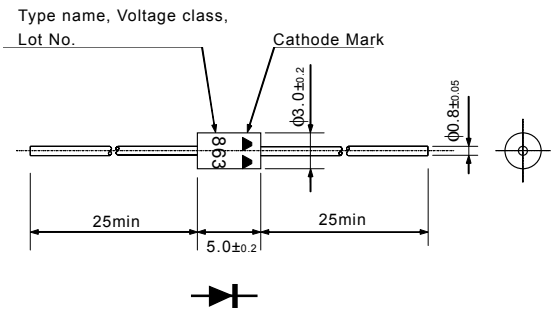
CB863-15 (150V / 2.0A)

Fuji Electric

HIGH VOLTAGE SCHOTTKY BARRIER DIODE

■ Outline drawings, mm

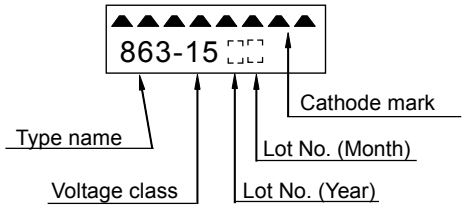


Molding resin : Epoxy resin UL:V-0

■ Features

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

■ Marking



Marking color : Silver

■ Applications

- High speed switching

■ Maximum ratings and characteristics

● Absolute maximum ratings (at Tc=25°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 Tl=116°C	2.0	A
Non-repetitive forward surge current	I_{FSM}	Sine wave 10ms, 1shot	60	A
Operating junction temperature	T_j		150	°C
Storage temperature	T_{stg}		-40 to +150	°C

● Electrical characteristics (at Tc=25°C unless otherwise specified)

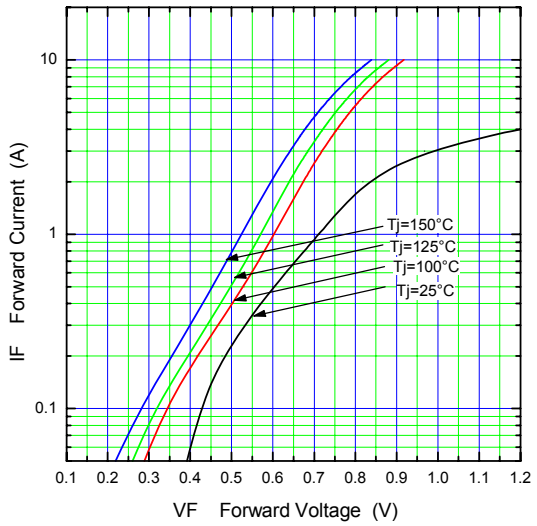
Item	Symbol	Conditions	Max.	Unit
Forward voltage	V_F	I_{FM}=2.0A	0.9	V
Reverse current	I_R	$V_R=V_{RRM}$	80	μA

● Mechanical characteristics

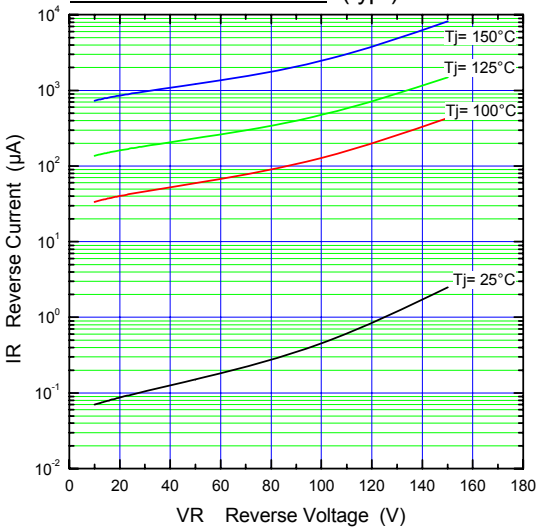
Approximate mass	0.3	g

■ Characteristics

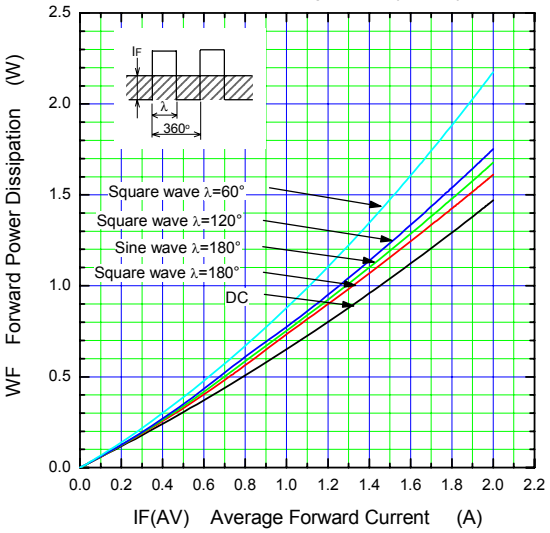
Forward Characteristic (typ.)



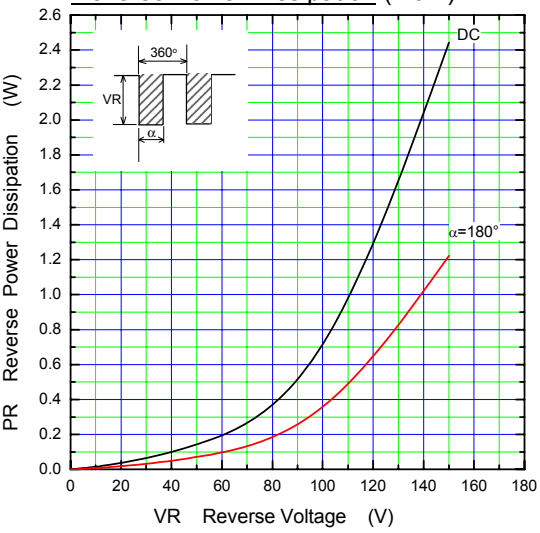
Reverse Characteristic (typ.)



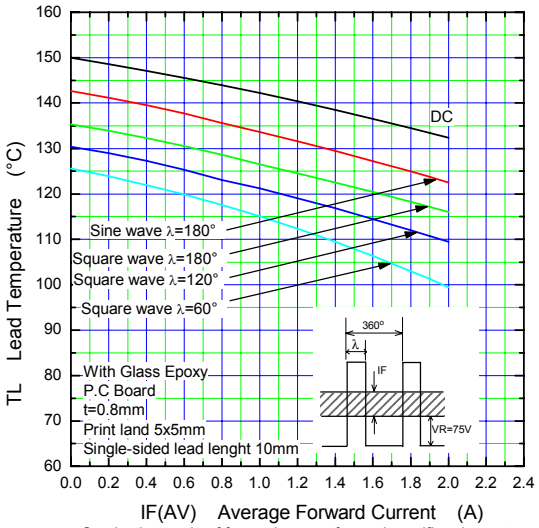
Forward Power Dissipation (max.)



Reverse Power Dissipation (max.)

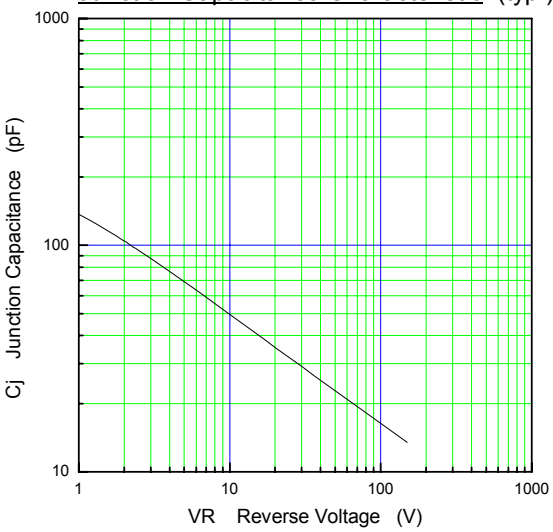


Current Derating (IF(AV)-TL) (max.)

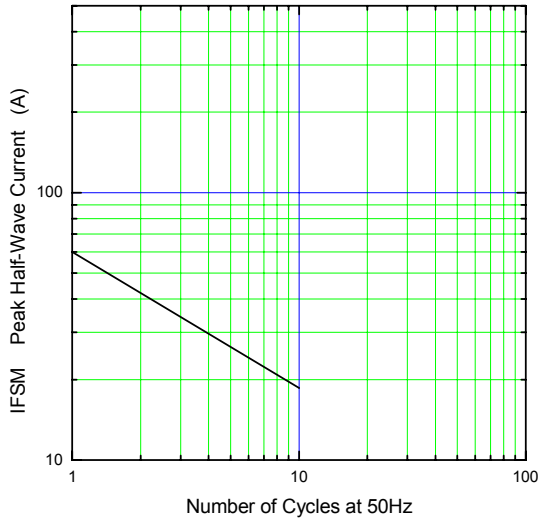


λ:Conduction angle of forward current for each rectifier element

Junction Capacitance Characteristic (typ.)



Surge Capability (max.)



Transient Thermal Impedance (max.)

