

CB903-4 (1.0A)

(400V / 1.0A)

LOW LOSS SUPER HIGH SPEED RECTIFIER

Features

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

Applications

- High speed switching

Maximum ratings and characteristics

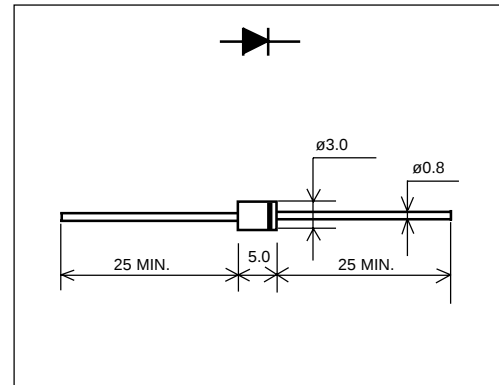
- Absolute maximum ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		400	V
Average forward current	$I_{F(AV)}$	duty=1/2, $T_I=129^{\circ}\text{C}$ Square wave	1.0	A
Surge current	I_{FSM}	Sine wave 10ms $T_j=150^{\circ}\text{C}$	25	A
Operating junction temperature	T_j		-40 to +150	$^{\circ}\text{C}$
Storage temperature	T_{stg}		-40 to +150	$^{\circ}\text{C}$

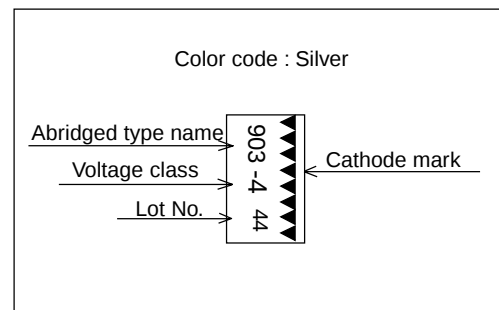
- Electrical characteristics ($T_a=25^{\circ}\text{C}$ Unless otherwise specified)

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	$I_{FM}=1.0\text{A}$	1.5	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	500	μA
Reverse recovery time	t_{rr}	$I_F=0.1\text{A}$, $I_R=0.2\text{A}$, $I_{rec}=0.05\text{A}$	50	ns

Outline drawings, mm

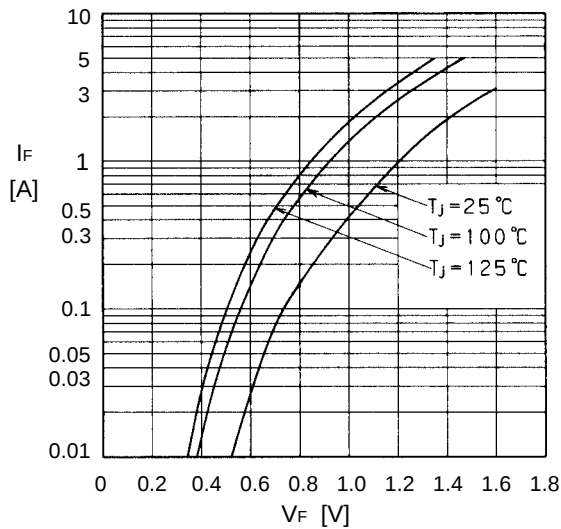


Marking

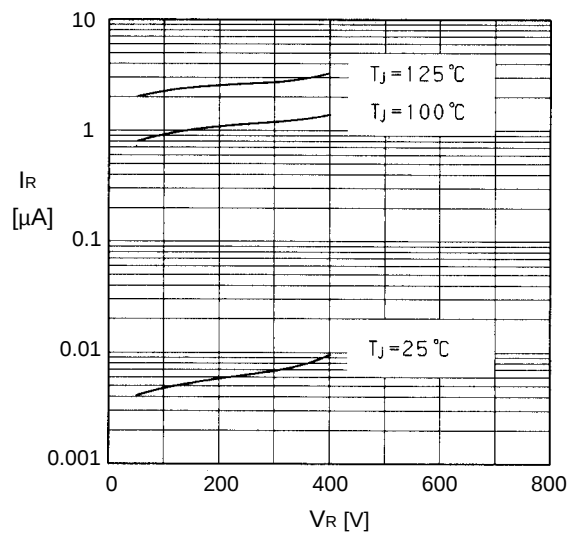


■ Characteristics

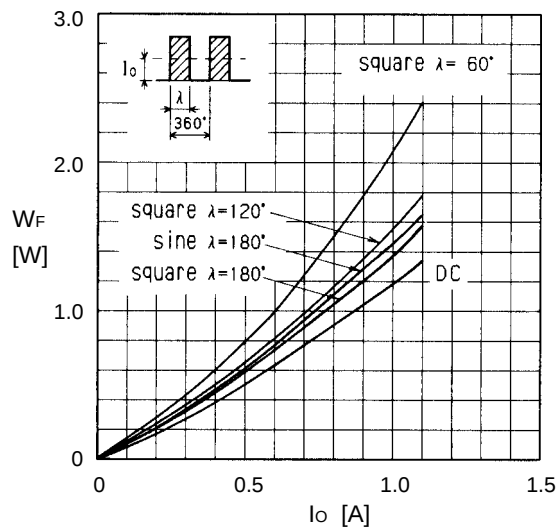
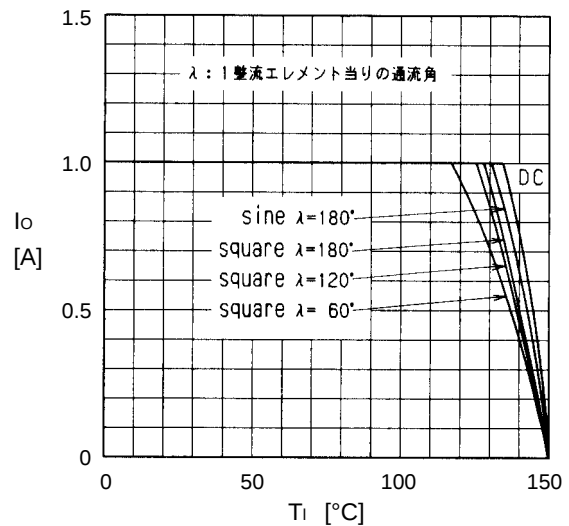
Forward characteristics



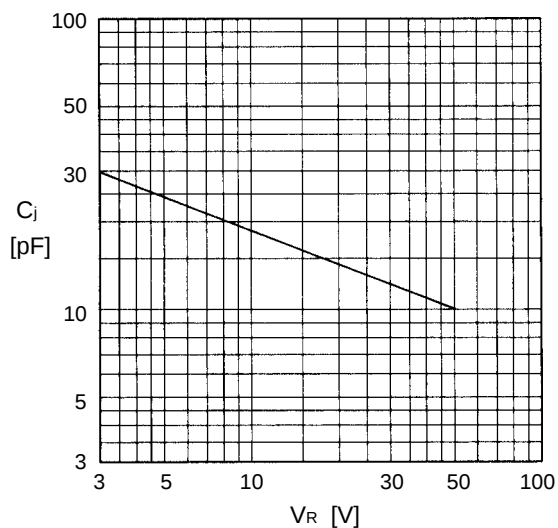
Reverse characteristics



Forward power dissipation

Current derating (I_o - T_i)

Junction capacitance characteristics



Surge capability

