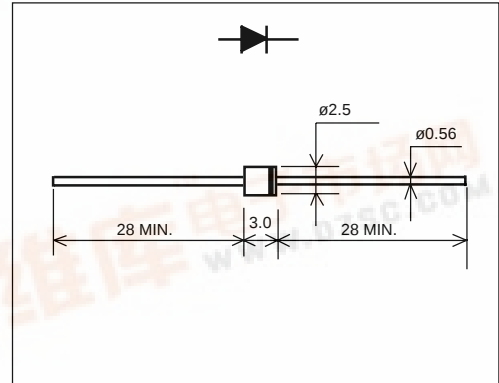


ERA34 (0.1A)

(1000V / 0.1A)

FAST RECOVERY DIODE

■ Outline drawings, mm



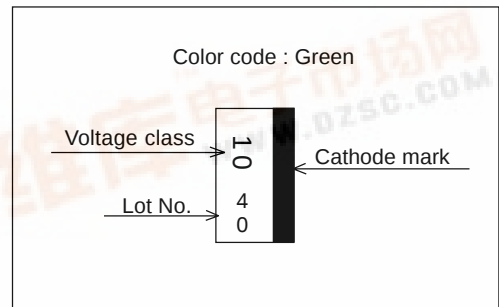
■ Features

- Ultra small package, possible for 5mm pitch automatic insertion
- High voltage by mesa design
- High reliability

■ Applications

- General purpose rectifier applications

■ Marking



■ Maximum ratings and characteristics

- Absolute maximum ratings

Item	Symbol	Conditions	Rating	Unit
			-10	
Repetitive peak reverse voltage	V_{RRM}		1000	V
Average forward current	$I_{F(AV)}$	Resistive load ($T_a=60^{\circ}C$)	0.1	A
Surge current	I_{FSM}	Sine wave 10ms	2.0	A
Operating junction temperature	T_j		-40 to +140	$^{\circ}C$
Storage temperature	T_{stg}		-40 to +140	$^{\circ}C$

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

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	$I_{FM}=0.1A$	3	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	50	μA
Reverse recovery time	t_{rr}	$I_F=0.1A, I_R=0.1A$	0.15	μs

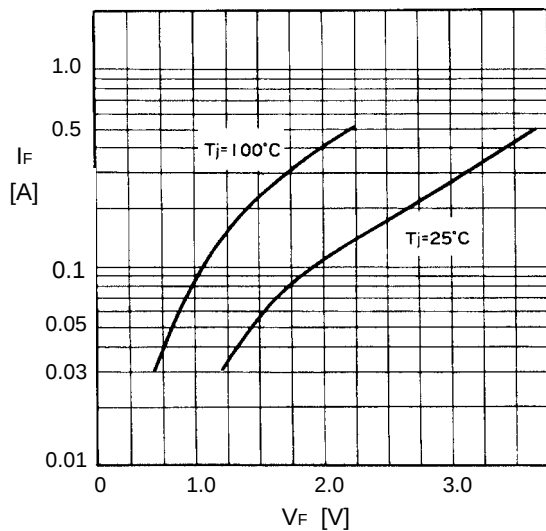


(1000V / 0.1A)

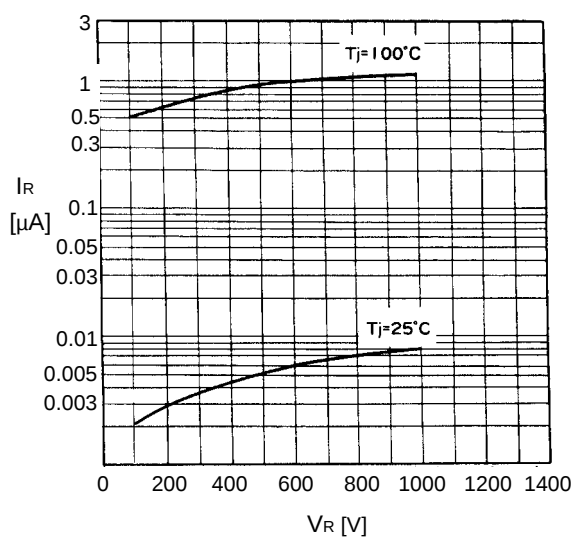
ERA34(0.1A)

■ Characteristics

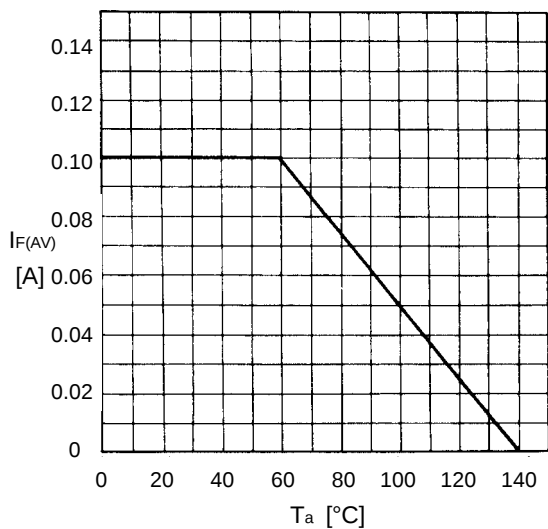
Forward characteristics



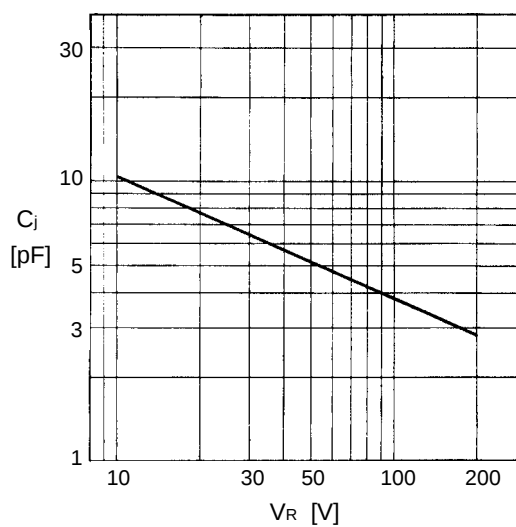
Reverse characteristics



Current derating ($I_{F(AV)} - T_a$)



Junction capacitance characteristics



Surge capability

