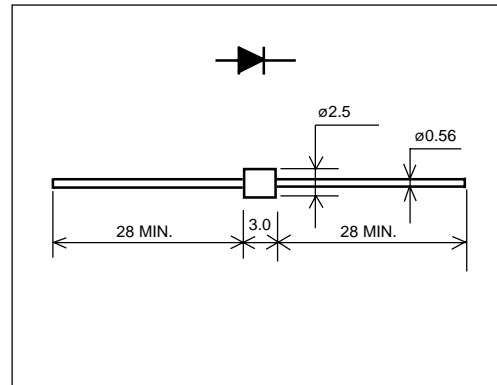


# ERA15 (1.0A)

(100V to 1000V / 1.0A )

## GENERAL USE RECTIFIER DIODE

### ■ Outline drawings, mm



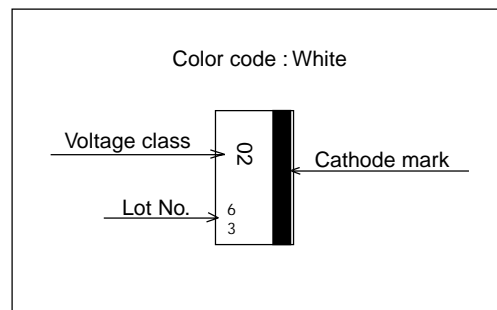
### ■ Features

- Ultra small package, possible for 5mm pitch automatic insertion.
- High reliability

### ■ Applications

- General purpose rectifier applications

### ■ Marking



### ■ Maximum ratings and characteristics

- Absolute maximum ratings

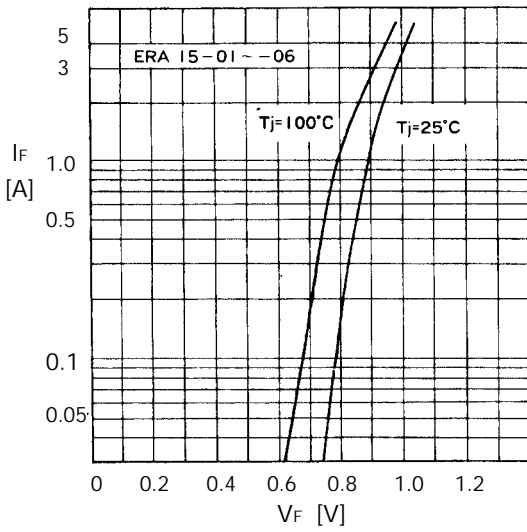
Item	Symbol	Conditions	Rating						Unit
			-01	-02	-04	-06	-08	-10	
Repetitive peak reverse voltage	$V_{RRM}$		100	200	400	600	800	1000	V
Average forward current	$I_{F(AV)}$	Resistive load	1.0 ( $T_a=40^\circ\text{C}$ )				1.0 ( $T_a=25^\circ\text{C}$ )		A
Surge current	$I_{FSM}$	Sine wave 10ms	40						A
Operating junction temperature	$T_j$		-40 to +140						$^\circ\text{C}$
Storage temperature	$T_{stg}$		-40 to +140						$^\circ\text{C}$

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

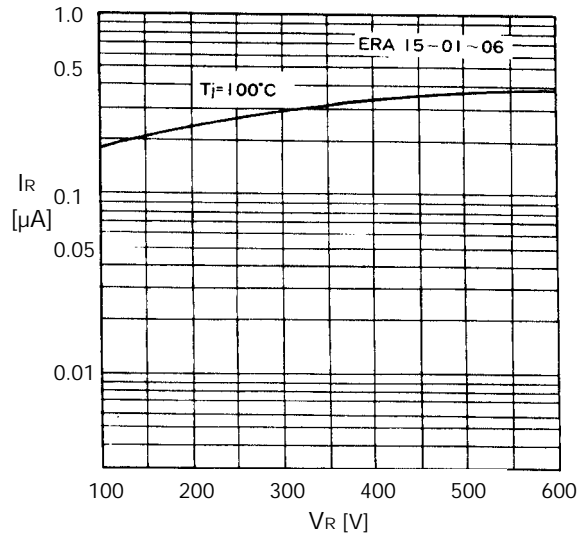
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	$V_{FM}$	$T_j=25^\circ\text{C}$ $I_{FM}=2.0\text{A}$	1.1	V
Reverse current	$I_{RRM}$	$T_j=25^\circ\text{C}$ $V_R=V_{RRM}$	10	$\mu\text{A}$

■ Characteristics

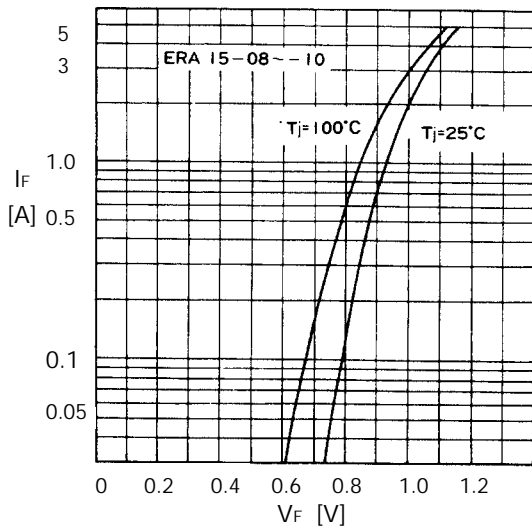
Forward characteristics



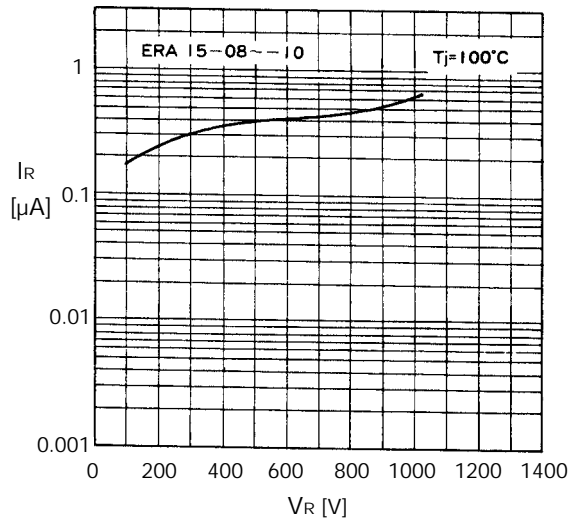
Reverse characteristics



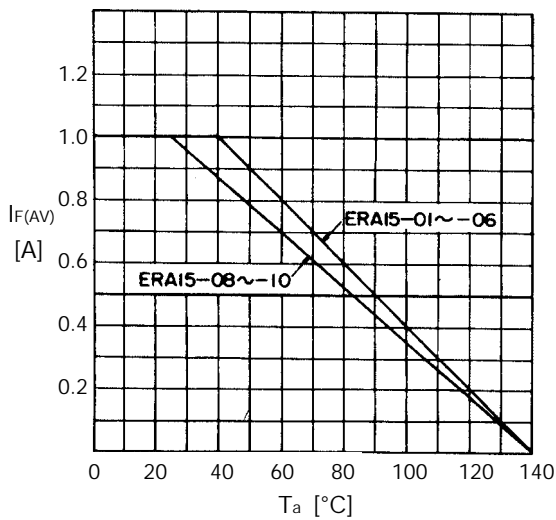
Forward characteristics



Reverse characteristics



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



Surge capability

