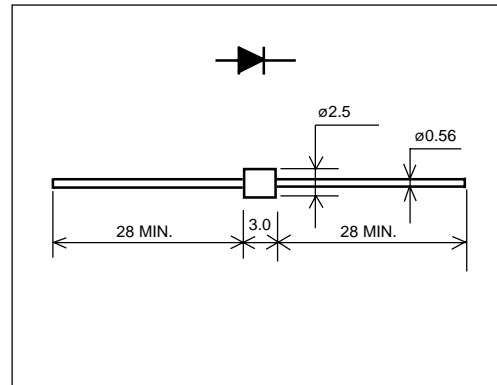


ERA15 (1.0A)

(100V to 1000V / 1.0A)

GENERAL USE RECTIFIER DIODE

■ Outline drawings, mm



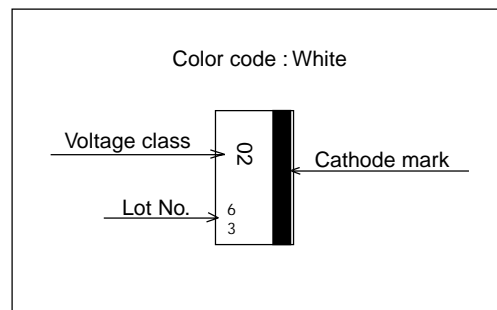
■ Features

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

■ Applications

- General purpose rectifier applications

■ Marking



■ Maximum ratings and characteristics

- Absolute maximum ratings

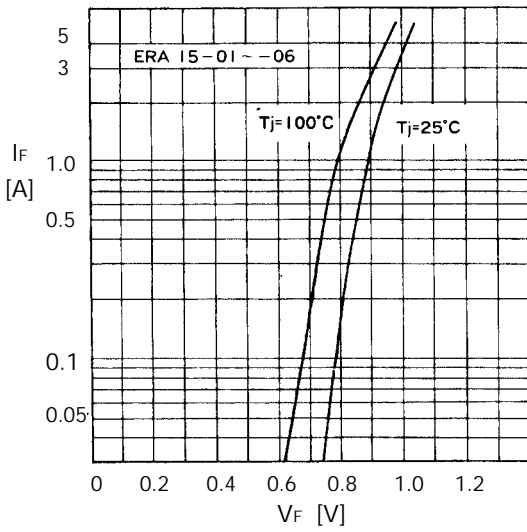
Item	Symbol	Conditions	Rating						Unit
			-01	-02	-04	-06	-08	-10	
Repetitive peak reverse voltage	V_{RRM}		100	200	400	600	800	1000	V
Average forward current	$I_{F(AV)}$	Resistive load	1.0 ($T_a=40^\circ\text{C}$)			1.0 ($T_a=25^\circ\text{C}$)			A
Surge current	I_{FSM}	Sine wave 10ms	40						A
Operating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

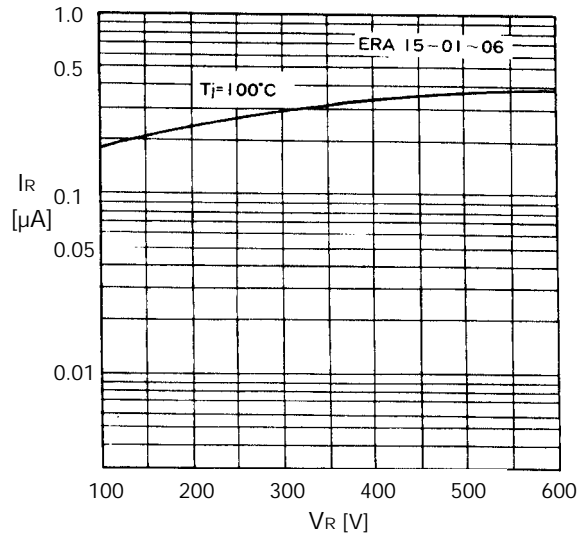
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	$T_j=25^\circ\text{C}$ $I_{FM}=2.0\text{A}$	1.1	V
Reverse current	I_{RRM}	$T_j=25^\circ\text{C}$ $V_R=V_{RRM}$	10	μA

■ Characteristics

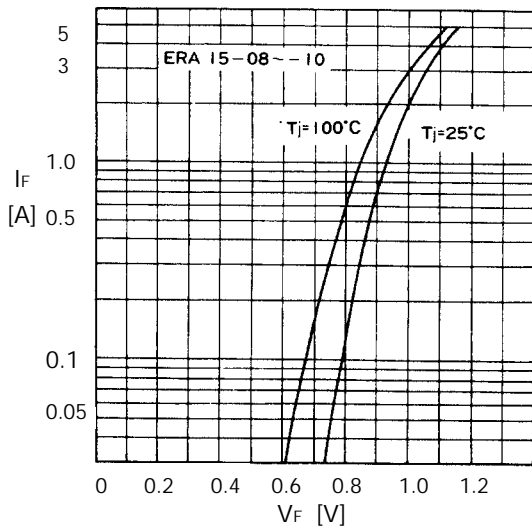
Forward characteristics



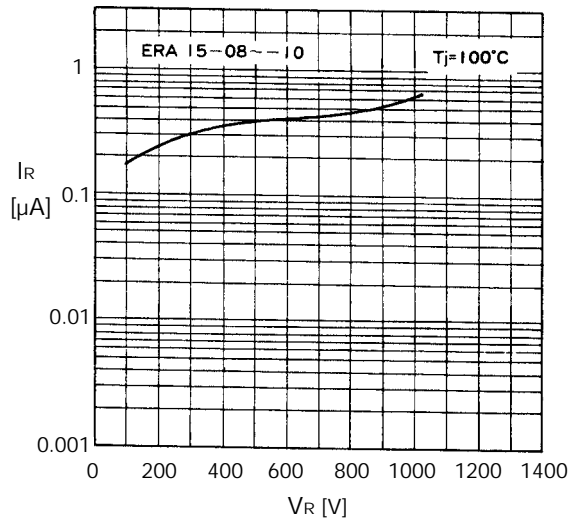
Reverse characteristics



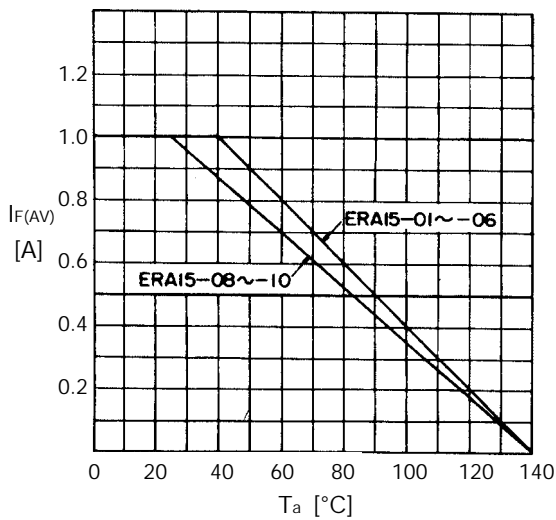
Forward characteristics



Reverse characteristics



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



Surge capability

