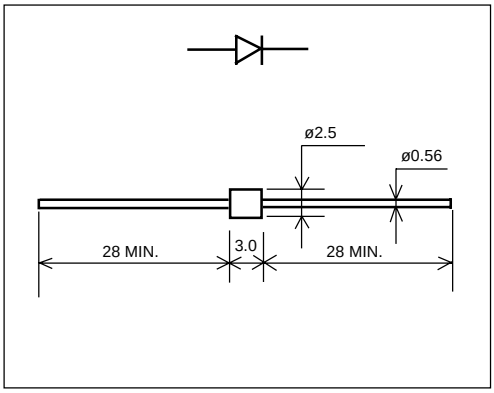
ERA17 (1.0A) (200V to 400V / 1.0A)

GENERAL USE RECTIFIER DIODE

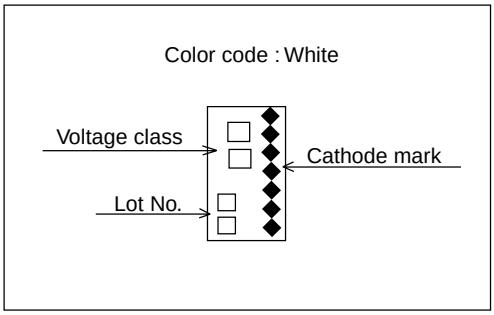
■ Outline drawings



■ Features

- Ultra small pakage, possible for 5mm pitch automatic insertion.
- High reliability
- ESD-proof

■ Marking



■ Applications

- General purpose rectifier applications
- Automobile use

■ Maximum ratings and characteristics

● Absolute maximum ratings

Item	Symbol	Conditions	Rating		Unit
			-02	-04	
Repetitive peak reverse voltage	V_{RRM}		200	400	V
Non-repetitive peak reverse voltage	V_{RSM}		200	400	V
Average forward current	$I_{F(AV)}$	Resistive load Ta=40°C	1.0 *	1.0 *	A
Surge current	I_{FSM}	Sine wave 10ms	40	40	A
Operating junction temperature	T_j		-40 to +140		°C
Storage temperature	T_{stg}		-40 to +140		°C

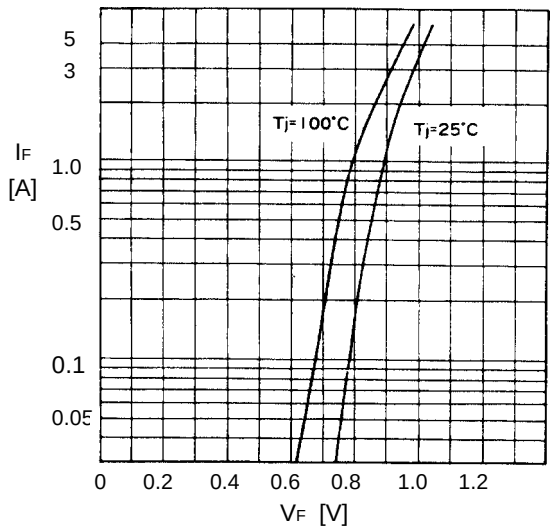
*Mounted to glass fabric base epoxy resin printed circuits, land (5mm x 5mm), lead 5mm(min.)

● Electrical characteristics (Ta=25°C Unless otherwise specified)

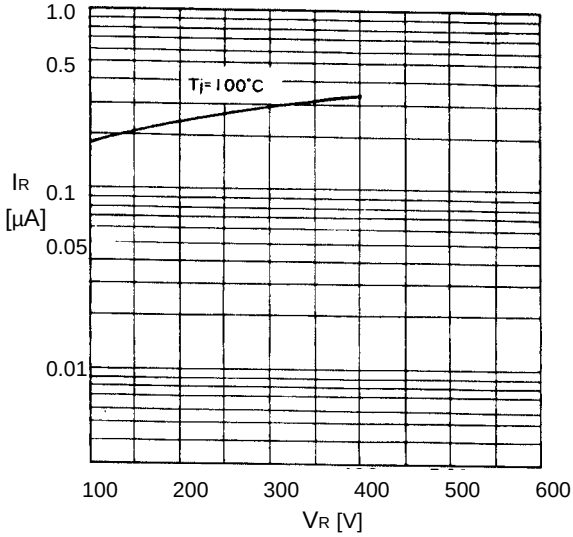
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	I_{FM}=2.0A	1.1	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	10	μA
Thermal resistance	$R_{th(j-a)}$	Junction to ambient	120*	°C/W

■ Characteristics

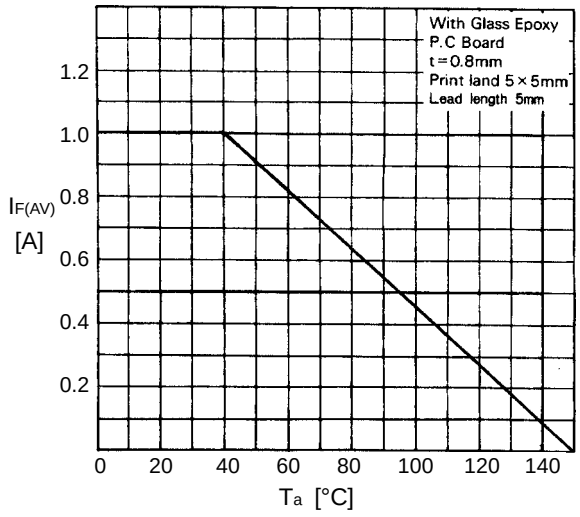
Forward characteristics



Reverse characteristics



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



Surge capability