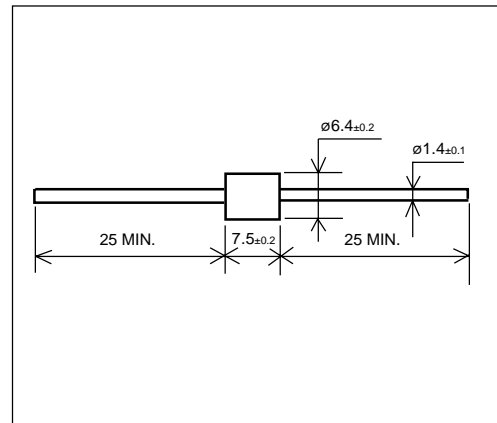


# FE301-1 (4A)

(100V / 4.0A)

## FAST RECOVERY DIODE

### Outline Drawings



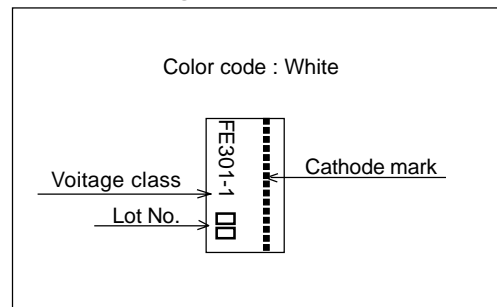
### Features

- Large current.
- High reliability.

### Applications

- High speed switching
- Audio output rectifier in TV etc

### Marking



### Maximum Ratings and Characteristics

- Absolute Maximum Ratings

Items	Symbols	Condition	Ratings	Units
Repetitive Peak Reverse Voltage	$V_{RRM}$		100	V
Average Output Current	$I_{FAV}$	Resistive load	4.0*	A
Surge Current	$I_{FSM}$	Sine wave 10ms	100	A
Operating Junction Temperature	$T_j$		-40 to +150	°C
Storage Temperature	$T_{stg}$		-40 to +150	°C

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

\* Mounted on Printed circuit board (25 x 25mm)

Items	Symbols	Conditions	Max.	Units
Forward Voltage Drop	$V_{FM}$	$I_{FM}=2.0\text{A}$	0.85	V
Reverse Current	$I_{RRM}$	$V_R=V_{RRM}$	10	$\mu\text{A}$
Reverse Recovery Time	$t_{rr}$	$I_F=0.1\text{A}, I_R=0.1\text{A}$	0.2	$\mu\text{s}$

- Mechanical Characteristics

Weight		1.4	g
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■ Characteristics

