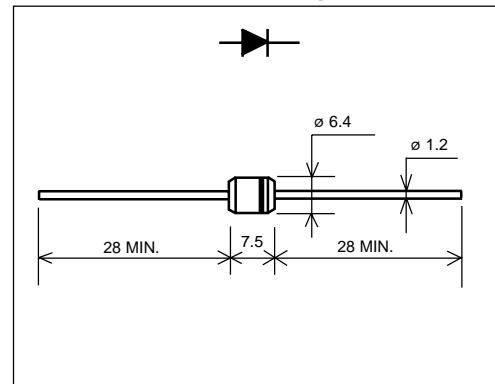


# ERC81S-004 (5.0A)

(40V / 5.0A )

## SCHOTTKY BARRIER DIODE

## ■ Outline drawings, mm



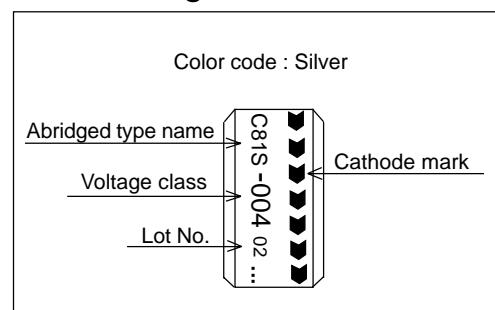
## ■ Features

- Low VF
- Super high speed switching
- High reliability by planer design

## ■ Applications

- High speed power switching

## ■ Marking



## ■ Maximum ratings and characteristics

- Absolute maximum ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V <sub>RRM</sub>		40	V
Average forward current	I <sub>F(AV)</sub>	Square wave, duty=1/2 T <sub>l</sub> =108°C	5.0	A
Surge current	I <sub>FSM</sub>	Sine wave 10ms	120	A
Operating junction temperature	T <sub>j</sub>		-40 to +150	°C
Storage temperature	T <sub>stg</sub>		-40 to +150	°C

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

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V <sub>FM</sub>	I <sub>FM</sub> =5.0A	0.55	V
Reverse current	I <sub>RRM</sub>	V <sub>R</sub> =V <sub>RRM</sub>	5.0	mA

## ■ Characteristics

