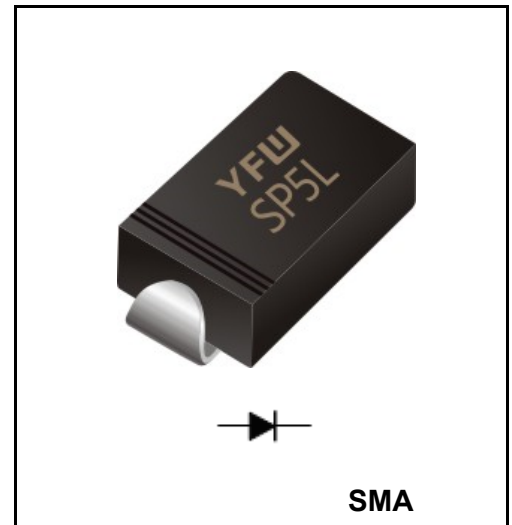


**High voltage surface mount diodes**
**Reverse Voltage – 5kV**
**Forward Current –270mA**
**FEATURES**

- ◆High speed switching
- ◆High Current
- ◆High surge resisitivity for CRT discharge
- ◆High reliability design
- ◆High Voltage

**Maximum Ratings and Characteristics**

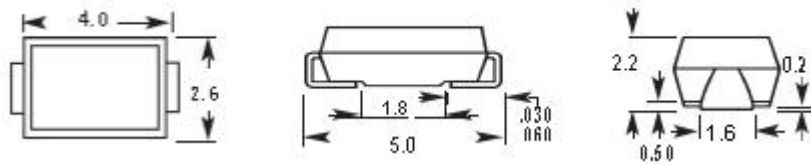
- ◆Absolute Maximum Ratings
- ◆Terminals: Pure tin plated leads, solderable per J-STD-002and JESD22-B102, E3 suffix for consumer grade, meet JESD201class 1A whisker test.
- ◆Polarity: Color band denotes cathode end


**Maximum rating (Ta=25°C unless otherwise noted)**

Parameter		Symbol	SP5L	Unit
Repetitive peak reverse voltage		$V_{RRM}$	5	KV
Average forward current	60Hz half-sine wave, Resistance load, Ta=25°C	$I_{F(AV)}$	270	mA
Surge(Non-repetitive)forward current	60Hz half-sine wave, 1cycle, Ta=25°C	$I_{FSM}$	10	A
Peak forward voltage	$I_{FM}=10mA$	$V_{FM}$	14	V
Peak reverse current $V_{RM}=V_{RRM}$	Ta=25°C	$I_{RRM}$	0.1	μA
	Ta=100°C		10	
Reverse recovery time	$I_F=2mA, I_{RM}=4mA$	$T_{rr}$	0.075	uS
Operating ambient temperature		$T_a$	-55 ~ +150	°C
Storage Temperature Range		$T_{stg}$	-55 ~ +150	°C
Virtual junction temperature		$T_{(vj)}$	150	°C
Junction Capacitance	at 25°C, $V_R=0V, f=1MHz$	$C_j$	5.0	pF

**Package outline dimensions**

Plastic surface mounted package; 2 leads



Outline Drawings : mm

**Summary of Packing Options**

Package	Packing Description	Packing Quantity	Industry Standard
SMA	BOX	5000	EIA-481-1

单击下面可查看定价，库存，交付和生命周期等信息

[>>YFW\(佑风微\)](#)