

# **SEMICONDUCTOR TECHNICAL DATA**

# SMBB26

SCHOTTKY BARRIER TYPE DIODE

### SWITCHING TYPE POWER SUPPLY APPLICATIONS.

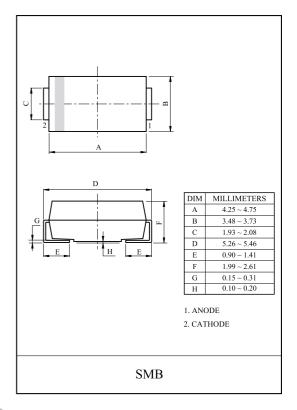
#### **FEATURES**

- □Low Profile Surface Mount Package.
- □Low Power Loss, High Efficiency.
- □ For Use in Low Voltage, High Frequency inverters, Free

Wheeling, and Polarity Protection Applications.

#### APPLICATION

- ☐ Switching Power Supply.
- $\square\,DC/DC$  Converter.
- ☐ Home Appliances, Office Equipment.
- ☐ Telecommunication.



## MAXIMUM RATING (Ta=25°C)

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CHARACTERISTIC	SYMBOL	A 7	UNIT
Maximum Repetitive Peak Reverse V .ac	PRM	60	
Average Output Rectitifed Current	$I_0$	2	
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I <sub>FSM</sub>	3	A
Junction Temperature	T <sub>j</sub>	-40~	$^{\circ}\mathbb{C}$
Storage Temperature Range	$T_{stg}$	-40 ~ 150	$^{\mathbb{C}}$

Markii.

r^ Name

#### ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	I <sub>FM</sub> =2.0A	-	-	0.65	V
Repetitive Peak Reverse Current I <sub>RRM</sub>	I	V <sub>RRM</sub> =Rated, Tj=25 ℃	-	-	0.1	mA
	1RRM	V <sub>RRM</sub> =Rated, Tj=100 ℃	-	-	10	mA
Total Capacitance	$C_{T}$	V <sub>R</sub> =4V, f=1MHz	-	-	200	pF
Thermal Resistance	R <sub>th(j-1)</sub>	Junction to lead	-	-	15	°C/W

