

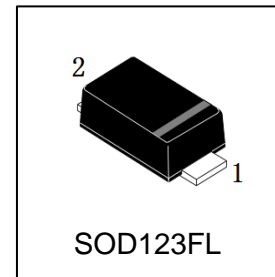
# LMBR260FT1G

# S-LMBR260FT1G

## Schottky Barrier Rectifiers

### 1. FEATURES

- Low power losses, high efficiency.
- Guardring for over voltage protection.
- For use in low voltage high frequency inverters, free wheeling, and polarity protection applications
- We declare that the material of product compliance with RoHS requirements and Halogen Free.
- S- prefix for automotive and other applications requiring unique site and control change requirements; AEC-Q101 qualified and PPAP capable.



### 2. DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
LMBR260FT1G	26	3000/Tape&Reel
S-LMBR260FT1G	26	3000/Tape&Reel

### 3. MAXIMUM RATINGS(Ta = 25°C)

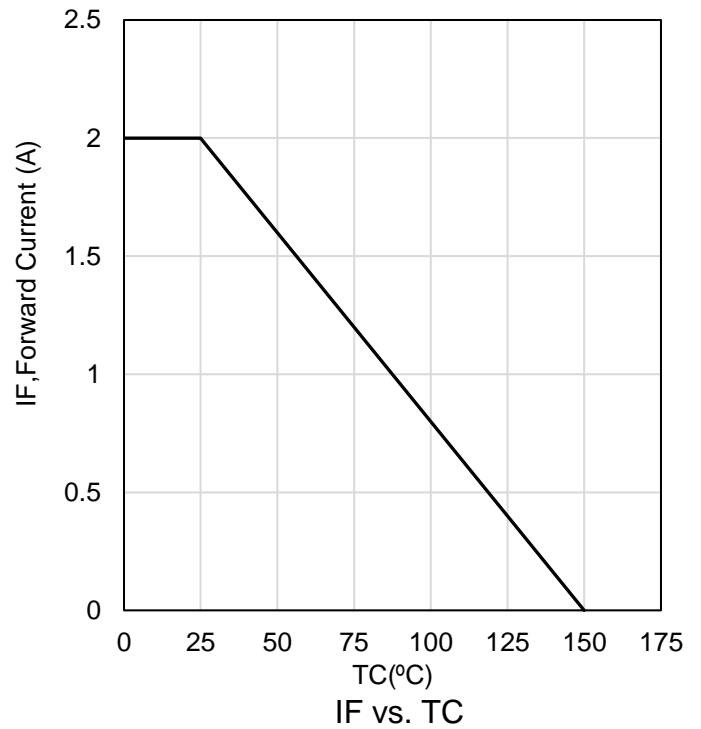
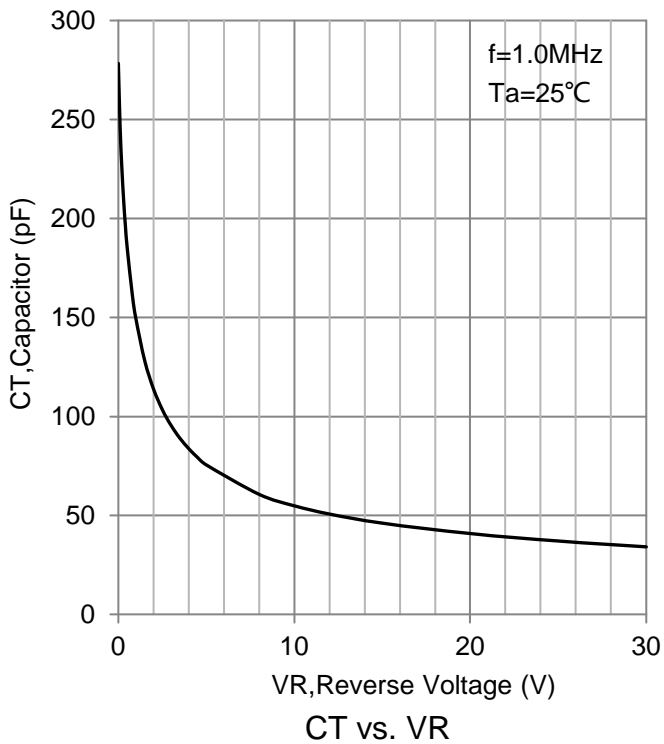
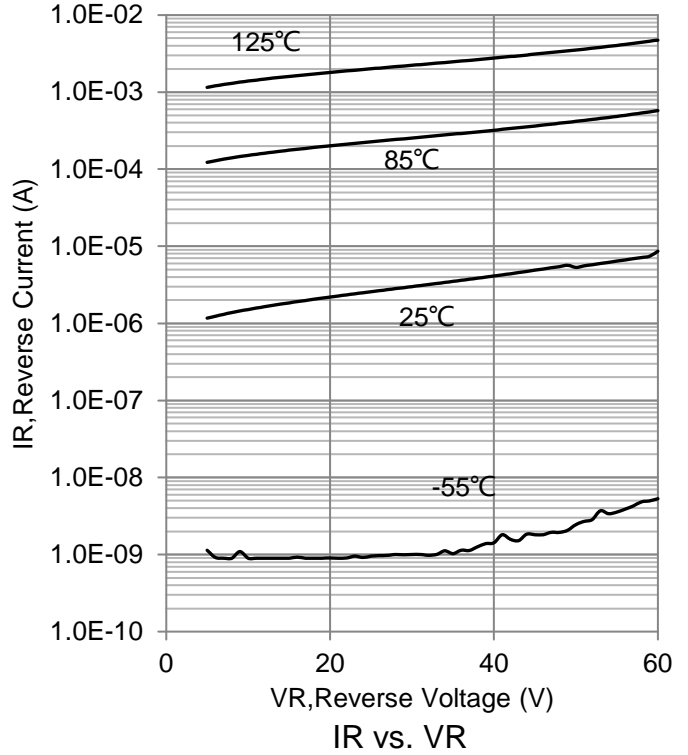
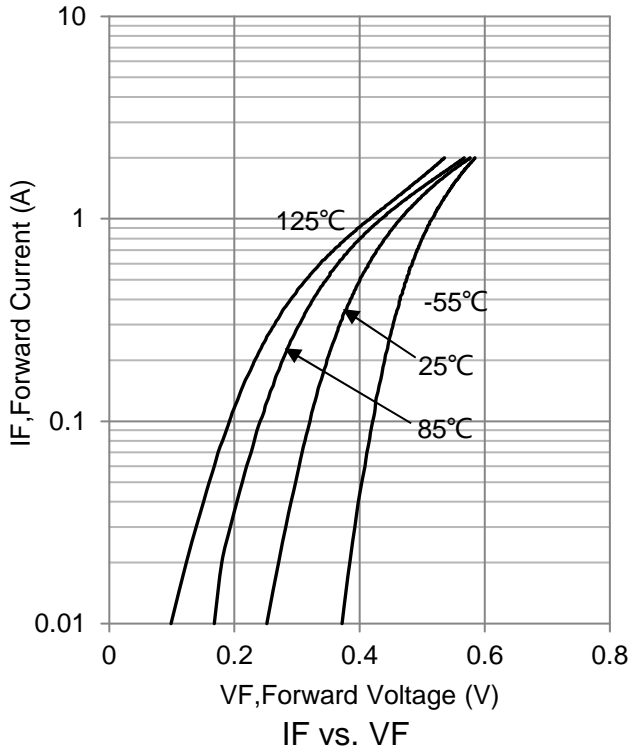
Parameter	Symbol	Limits	Unit
Maximum repetitive peak reverse voltage	VRRM	60	V
Maximum RMS voltage	VRMS	42	V
Maximum DC blocking voltage	VDC	60	V
Maximum average forward rectified current at TA = 75°C	IF(AV)	2	A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50	A
Power Dissipation	PD	400	mW
Typical thermal resistance (Note 1)	RθJA RθJL	170 40	°C/W
Operating junction temperature range	TJ	-55 ~ +150	°C
storage temperature range	TSTG	-55 ~ +150	°C

Note: 1. 8.0mm<sup>2</sup> (.013mm thick) land areas

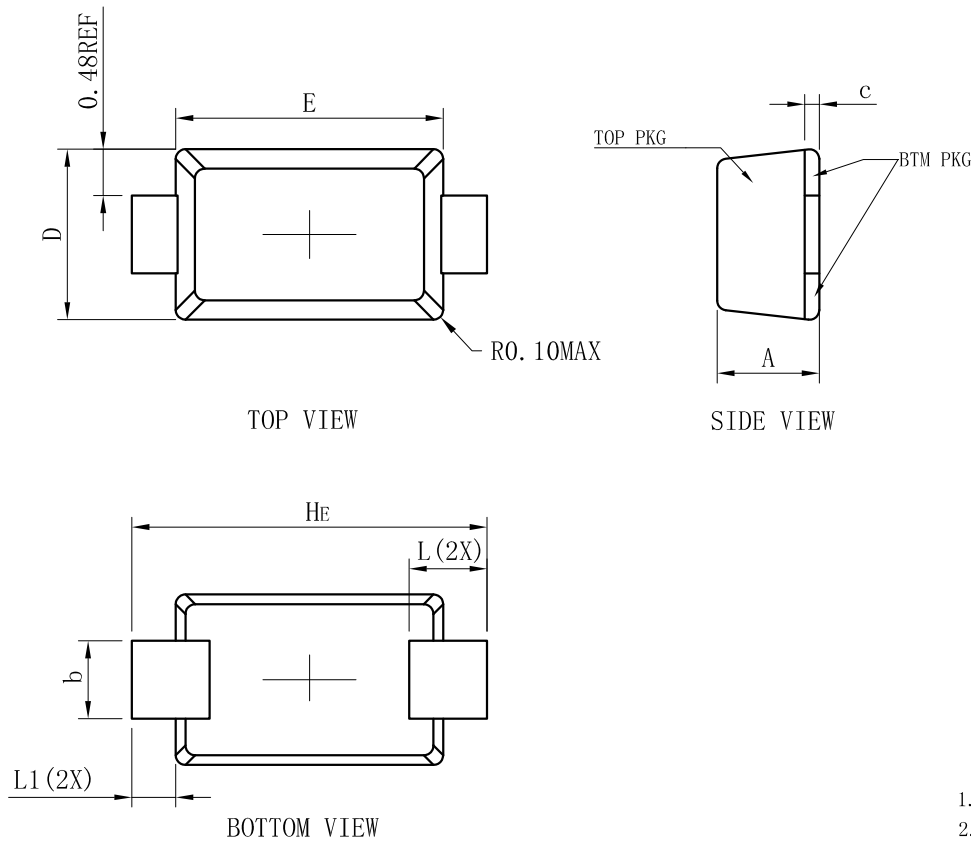
### 4. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

Characteristic	Symbol	Min.	Max.	Unit
Reverse Voltage	VR	60	-	V
Forward Voltage (IF =2A)	VF	-	0.65	V
Reverse Current (VR =60V)	IR	-	100	μA

**5. ELECTRICAL CHARACTERISTICS CURVES**



## 6. OUTLINE AND DIMENSIONS

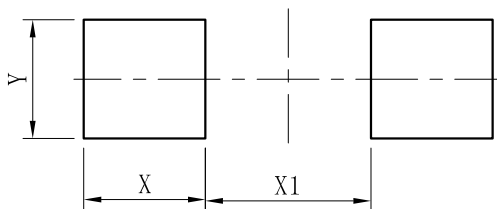


SOD123FL			
DIM	MIN	NOR	MAX
A	0.90	1.05	1.15
b	0.75	0.80	0.95
L	0.80REF.		
E	2.60	2.75	2.90
D	1.60	1.75	1.90
HE	3.50	3.65	3.80
c	0.12	0.17	0.22
L1	0.45REF.		
All Dimensions in mm			

### GENERAL NOTES

1. Top package surface finish  $Ra0.4 \pm 0.2\mu m$
2. Bottom package surface finish  $Ra0.7 \pm 0.2\mu m$
3. Side package surface finish  $Ra0.4 \pm 0.2\mu m$

## 7. SOLDERING FOOTPRINT



DIM	(mm)
X	1.20
Y	1.10
X1	2.00

## **DISCLAIMER**

- Curve guarantee in the specification. The curve of test items with electric parameter is used as quality guarantee. The curve of test items without electric parameter is used as reference only.
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