

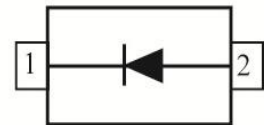
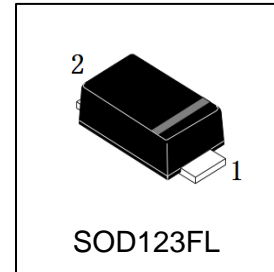
LMBR0530FT1G

S-LMBR0530FT1G

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
LMBR0530FT1G	053	3000/Tape&Reel

3. MAXIMUM RATINGS(Ta = 25°C)

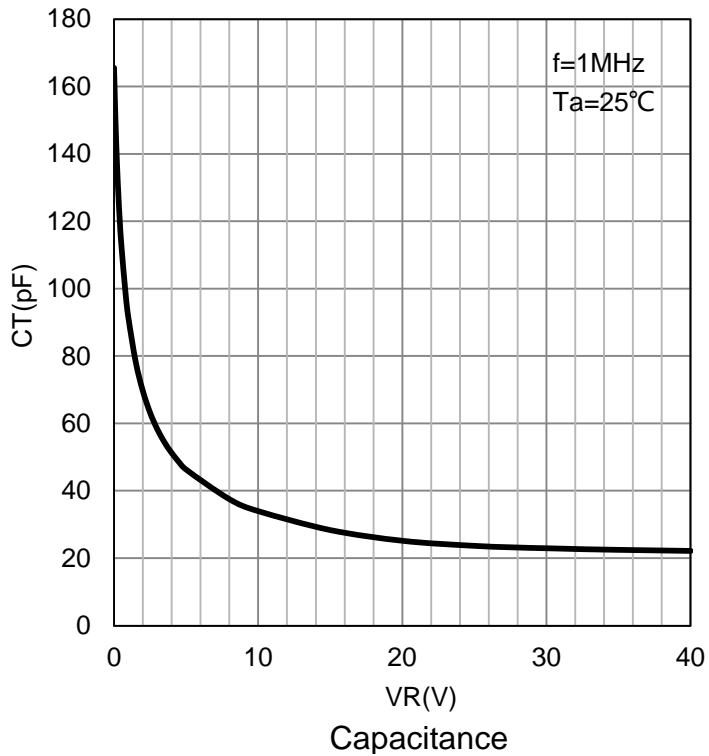
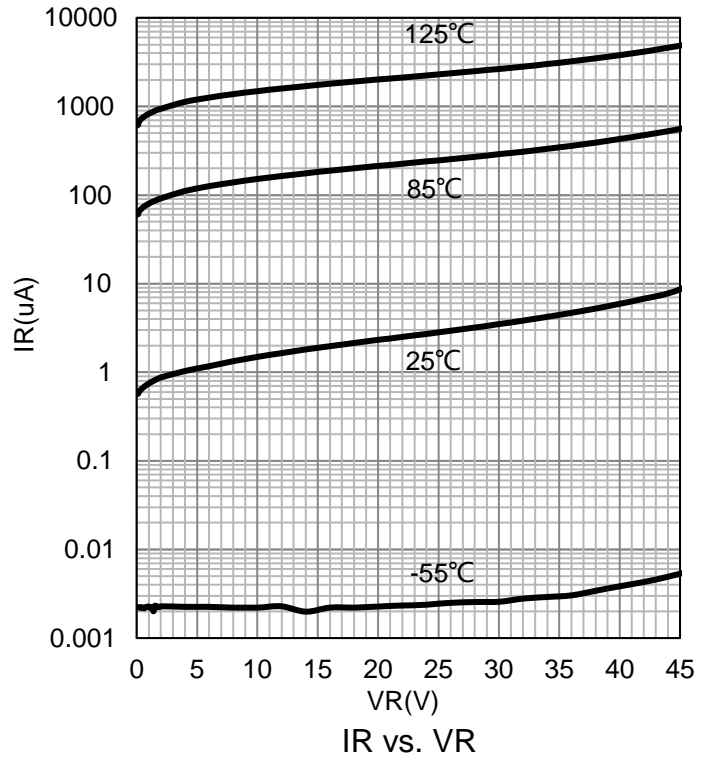
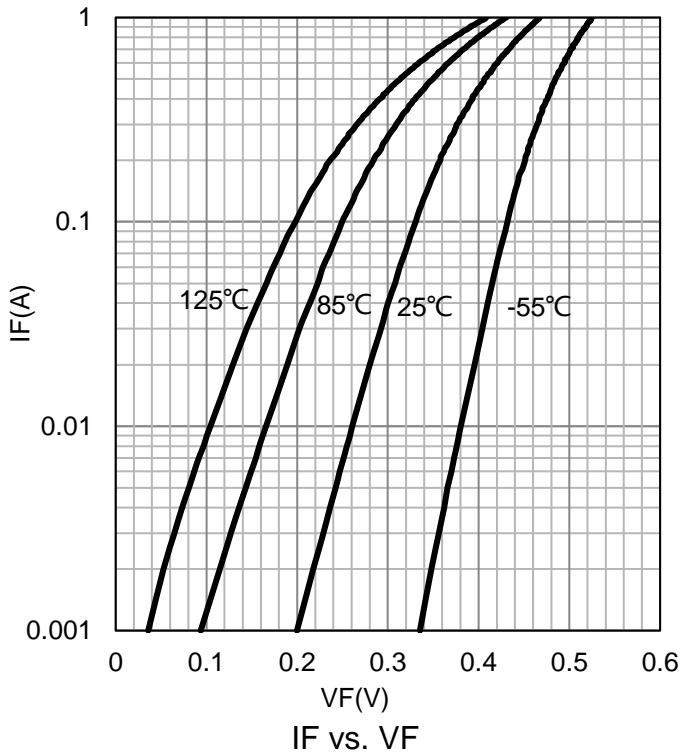
Parameter	Symbol	Limits	Unit
Maximum repetitive peak reverse voltage	VRRM	30	V
Maximum RMS voltage	VRMS	21	V
Maximum DC blocking voltage	VDC	30	V
Maximum average forward rectified current at TC = 75°C	IF(AV)	0.5	A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30	A
Power Dissipation	PD	400	mW
Typical thermal resistance (Note 1)	RθJA RθJL	170 40	°C/W
Operating junction temperature range	TJ	-55 ~ +125	°C
storage temperature range	TSTG	-65 ~ +175	°C

1. 8.0mm² (.013mm thick) land areas

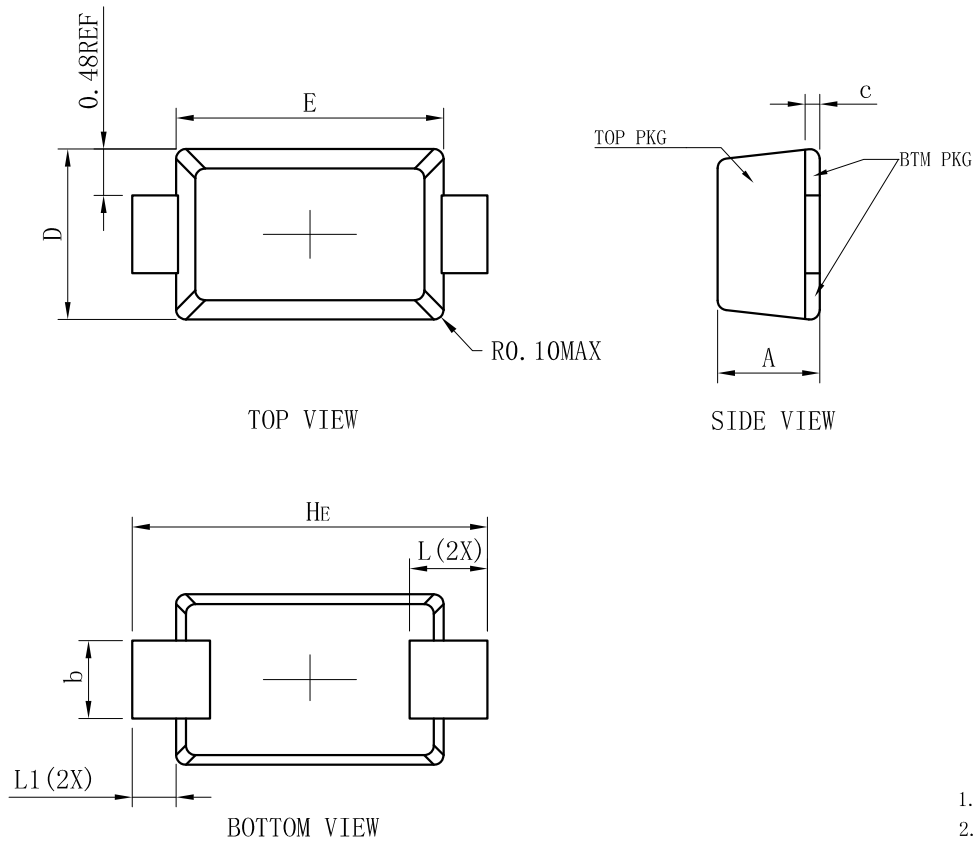
4. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Maximum instantaneous forward voltage (IF = 0.1 A, TJ = 25°C)	VF	-	-	0.375	V
(IF = 0.5 A, TJ = 25°C)		-	-	0.45	
Maximum DC reverse current at rated DC blocking voltage TA = 25 °C Tj = 100 °C	IR	-	-	0.13	mA
		-	-	10	
Typical junction capacitance at 4.0V, 1MHz	CJ	-	51	-	PF

5. ELECTRICAL CHARACTERISTICS CURVES



6. OUTLINE AND DIMENSIONS

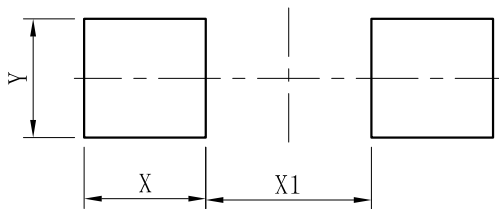


SOD123FL			
DIM	MIN	NOR	MAX
A	0.90	1.05	1.15
b	0.75	0.80	0.95
L	0.80REF.		
E	2.60	2.75	2.90
D	1.60	1.75	1.90
HE	3.50	3.65	3.80
c	0.12	0.17	0.22
L1	0.45REF.		
All Dimensions in mm			

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

单击下面可查看定价，库存，交付和生命周期等信息

[>>LRC\(乐山无线电\)](#)