

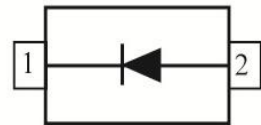
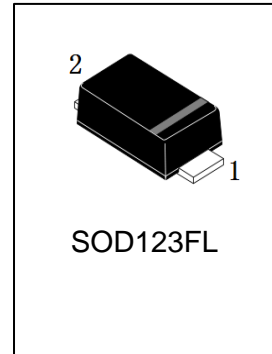
# LMBR360FT1G

# S-LMBR360FT1G

## Schottky Barrier Rectifiers

### 1. FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0.
- Low power loss,high efficiency.
- For use in low voltage high frequency inverters,free wheeling,and polarity protection applications.
- Guardring for over voltage protection.
- High temperature soldering guaranteed:260°C/10 seconds at terminals.
- 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
LMBR360FT1G	36	3000/Tape&Reel
S-LMBR360FT1G	36	3000/Tape&Reel

### 3. MAXIMUM RATINGS(Ta = 25°C)

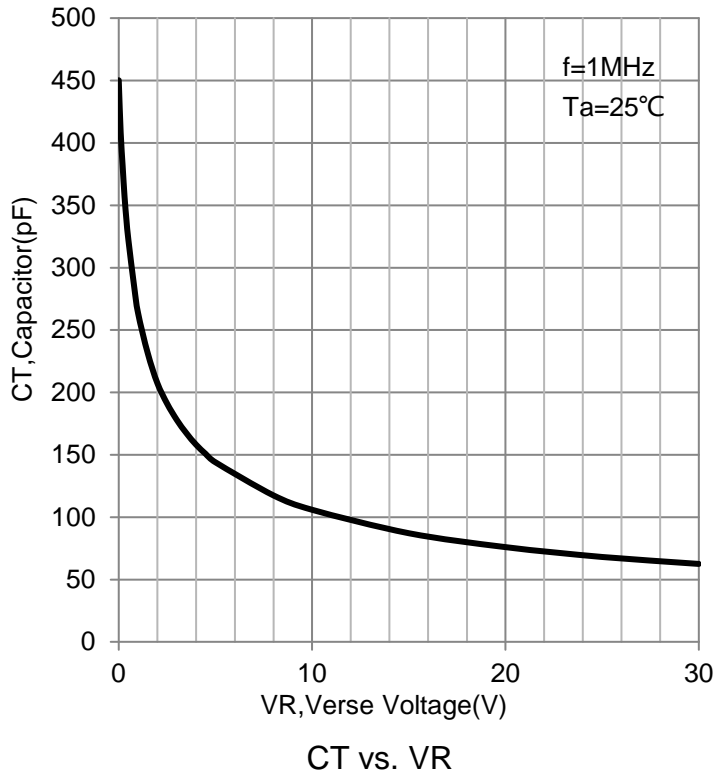
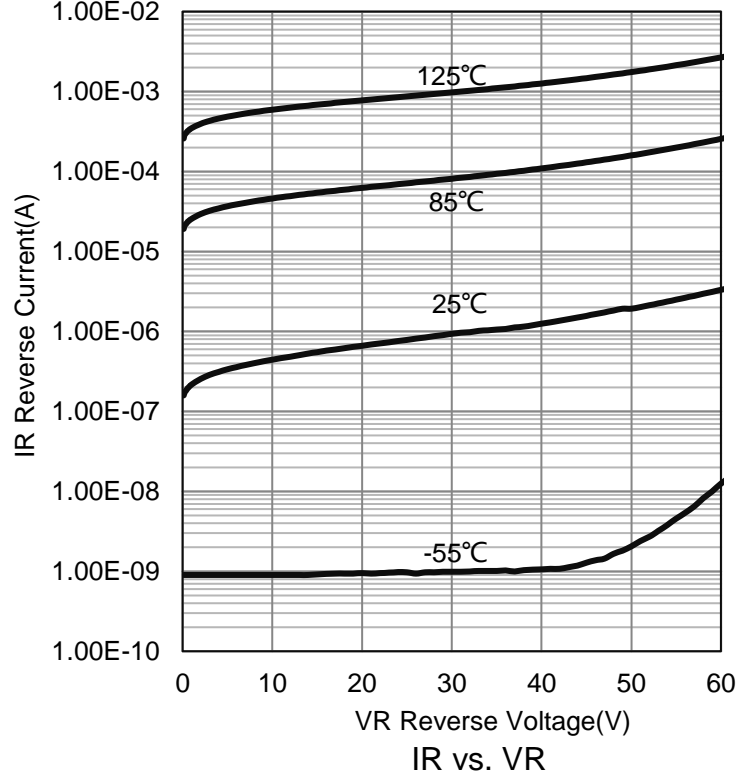
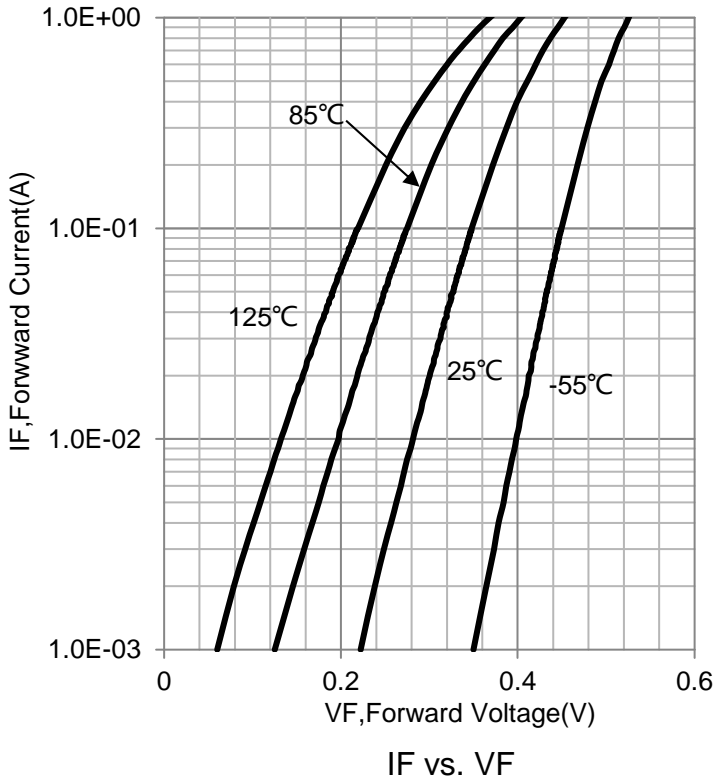
Parameter	Symbol	Limits	Unit
Maximum repetitive peak reverse voltage	VRRM	60	V
Maximum RMS voltage	VRMS	42	V
Maximum DC blocking voltage	VDC	60	V
Maximum average forward rectified current at TA = 75°C	IF(AV)	3	A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	80	A
Power Dissipation	PD	400	mW
Typical thermal resistance (Note 1)	RθJA	170	°C/W
	RθJL	40	
Operating junction temperature range	TJ	-55 ~ +150	°C
storage temperature range	TSTG	-65 ~ +175	°C

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

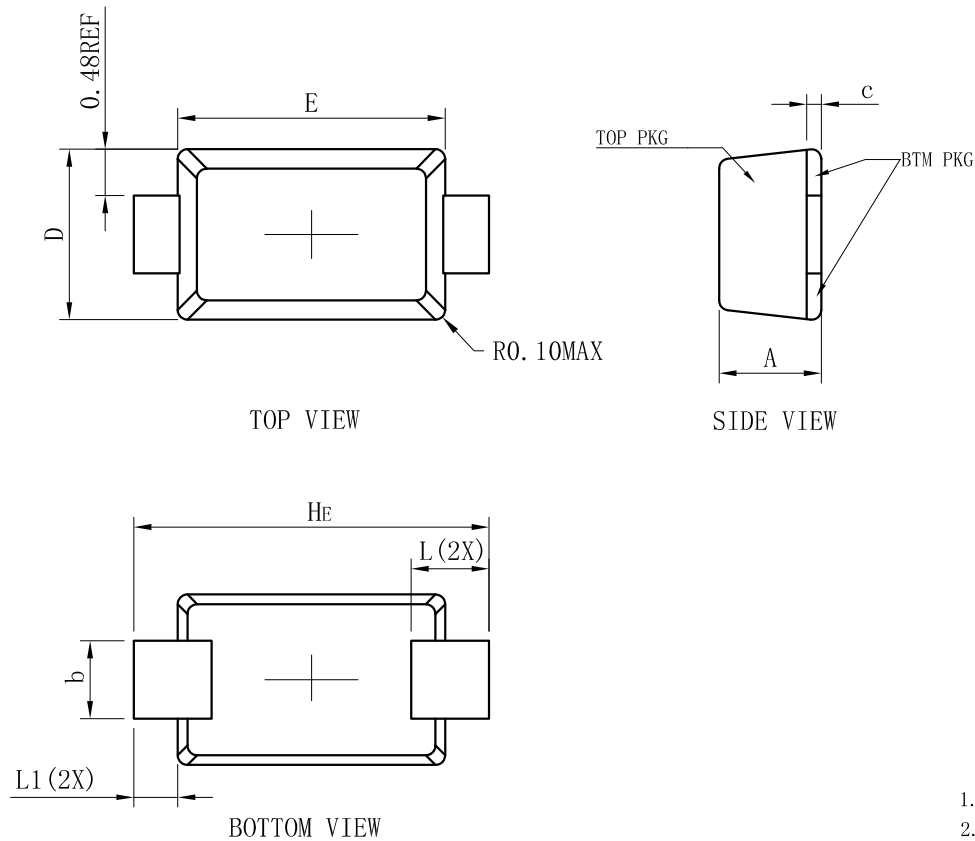
### 4. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

Characteristic	Symbol	Min	Typ.	Max	Unit
Maximum instantaneous forward voltage at 3.0A	VF	-	-	0.7	V
Maximum DC reverse current at rated DC blocking voltage TA = 25°C Tj = 100°C	IR	-	-	0.5	mA
		-	-	20	
Junction capacitance at 4.0V, 1MHz	CJ	-	155	-	pF

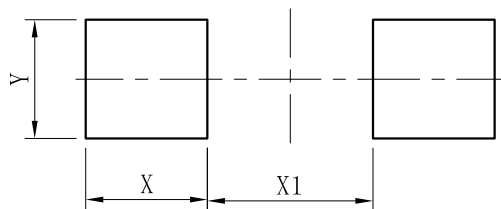
**5. ELECTRICAL CHARACTERISTICS CURVES**



## 6.OUTLINE AND DIMENSIONS



## 7.SOLDERING FOOTPRINT



DIM	(mm)
X	1.20
Y	1.10
X1	2.00

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