

### 1. Part information

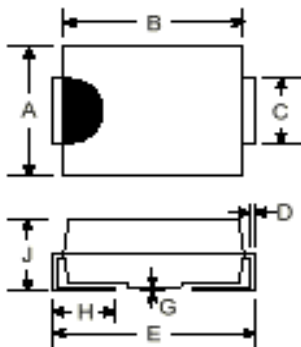
Part Number:	<b>B1100LBT-01</b>	Issue date:	6/4/99
Description:	Special I <sub>FSM</sub> , R <sub>θJL</sub> , Dimensions A,E,H	Series No.:	1231
Outline:	SMB	Cust. code.:	P746A
Marking:	Cathode band + LT logo + D/C + B110LB	Cust. dwg#:	371S0013
Package:	Tape/Reel	Rev. Level:	B

### 2. Electrical characteristics

Specifications at 25°C ambient temperature unless otherwise specified.

Parameter		Test Condition	Min.	Max.	Units
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>		100		V
Maximum RMS Voltage	V <sub>RSM</sub>		70		V
Maximum DC Blocking Voltage	V <sub>DC</sub>		100		V
Maximum Average Forward Rectified Current	I <sub>(AV)</sub>	T <sub>T</sub> =125°C 2.00x2.16mm <sup>2</sup> Solder Pad given in Apple Fig.6	1.0		A
Peak Forward Surge Current	I <sub>FSM</sub>	8.3ms Single Half Sine-wave Superimposed on Rated Load	50		A
Instantaneous Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =1.0A		0.75	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =100V @ T <sub>A</sub> =25°C @T <sub>A</sub> =100°C		0.50 5.0	mA mA
Maximum Thermal Resistance	R <sub>θJL</sub>	Junction to terminal	12		°C/W
Junction Capacitance	C <sub>J</sub>	V <sub>R</sub> =4.0V / 1MHz	80		PF
Operating Temperature Range	T <sub>J</sub>		-65 to +150		°C
Storage Temperature Range	T <sub>STG</sub>		-65 to +150		°C

### 3. Mechanical Outline



SMB		
Dim	Min	Max
A	3.30	3.80
B	4.06	4.57
C	1.96	2.21
D	0.15	0.31
E	5.00	5.35
G	0.10	0.20
H	0.89	1.49
J	2.00	2.62
All Dimensions in mm		