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Features

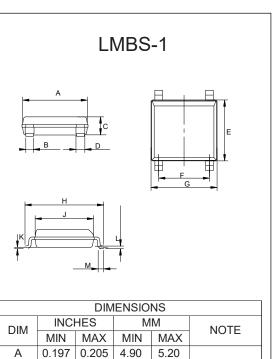
- Halogen Free. "Green" Device (Note 1)
- Glass Passivated Chip Junction
- Moisture Sensitivity Level 1
- Surface Mount Package
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant (Note 1)("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings @ 25°C (Unless Otherwise Specified)

E502650

1 Amp Single Phase Bridge Rectifier 200 to 1000 Volts

	Symbol	Value					
Parameter		LMB 2S	LMB 4S	LMB 6S	LMB 8S	LMB 10S	Unit
Peak Repetitive Reverse Voltage	V _{RRM}						
Working Peak Reverse Voltage	V _{RWM}	200	400	600	800	1000	V
DC Blocking Voltage	V_{R}						
RMS Reverse Voltage	V _{RMS}	140	280	420	560	700	V
Average Rectified Forward Current @ See Fig.1	I _{F(AV)}	1.0 on Aluminum Substrate0.8 on Glass-epoxy P.C.B				А	
Non-Repetitive Peak Surge Current @ 8.3ms Half Sine Wave	I	30					A
Non-Repetitive Peak Surge Current @ 1ms Square Wave	I _{FSM}	60					
Current Squared Time @1ms≤t≤8.3ms	l ² t	3.735				A ² s	



0.60

0.60

3.80

6.00

4.30

0.02

0.15

0.25

1.50

0.80

4.80

4.20

5.30

6.60

4.70

0.21

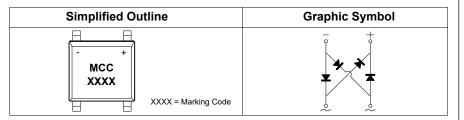
0.30

0.80

Marking Code

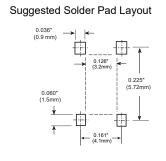
Part Number	Marking Code		
LMB2S	LB2S		
LMB4S	LB4S		
LMB6S	LB6S		
LMB8S	LB8S		
LMB10S	LB10S		

Internal Structure



Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

2. High temperature solder exemption applied, see EU directive annex 7a.



В

С

D

Е

F

G

Н

J

Κ

L

Μ

0.024

0.024

0.150

0.236

0.177

0.0009

0.059

0.032

0.189

0.165

0.209

0.252

0.185

0.004

0.006 0.012

0.017 0.031



Thermal characteristics

Symbol	Parameter	Conditions	Min	Тур	Мах	Unit
TJ	Operating Junction Temperature Range		-55		150	°C
T _{stg}	Storage Temperature Range		-55		150	°C
Rth _(J-C)	Thermal Resistance from Junction to Case	Note 1		22		°C/W
Rth _(J-L)	Thermal Resistance from Junction to Lead	Note 1		25		°C/W
Rth _(J-A)	Thermal Resistance from Junction to Ambient	Note 1		80		°C/W

Note:

1.Device mounted P.C.B with 0.47x0.47 (12mmx12mm) copper pads.

Electrical Characteristics @ 25°C Unless Otherwise Specified(Per Diode)

Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
Forward Voltage	V _F	I _F =0.4A;T _J =25°C			0.95	V
Reverse Current	I _R	at Rated V _R ;T _J =25°C at Rated V _R ;T _J =125°C			5 100	μA
Junction Capacitance	CJ	V _R =4V;f=1MHz;T _J =25°C		12		pF



Curve Characteristics

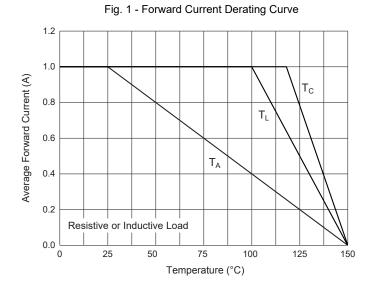
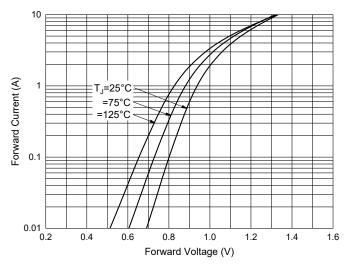
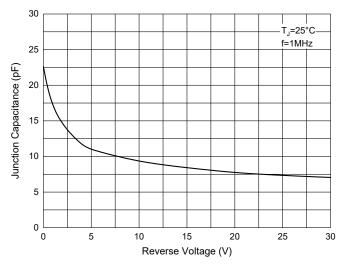


Fig. 3 - Typical Forward Characteristics







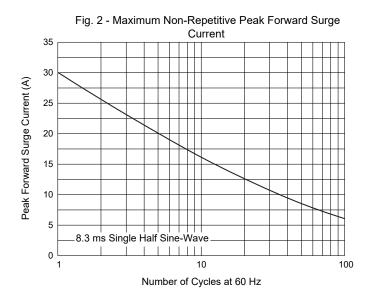
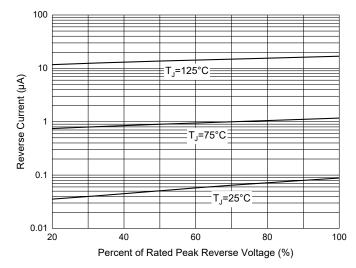


Fig. 4 - Typical Reverse Leakage Characteristics





Ordering Information

Device	Packing		
Part Number-TP	Tape&Reel:5Kpcs/Reel		

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