


Ordering number : EN1885C

	No.1885C	<b>LFB01,01L</b>
		Silicon Planar Leadless Type
<b>Very High-Speed Switching Diode</b>		

**Features**

- Highly reliable leadless glass sleeve structure.
- Very small size.
- Capable of being surface-mounted.
- Forward voltage :  $V_F \text{ max} = 1.2\text{V}$ .
- Interterminal capacitance :  $c \text{ max} = 3\text{pF}$ .
- Reverse recovery time :  $t_{rr} \text{ max} = 4\text{ns}$ .

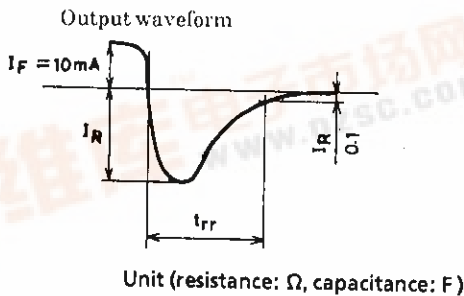
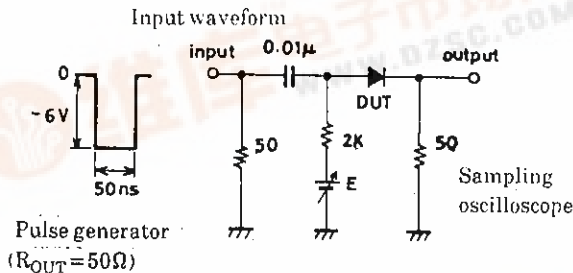
**Absolute Maximum Ratings at  $T_a = 25^\circ\text{C}$**

	LFB01L	LFB01	unit	
Peak Reverse Voltage	$V_{RM}$	-55	-90	V
Reverse Voltage	$V_R$	-50	-80	V
Peak Forward Current	$I_{FM}$	→	480	mA
Average Rectified Current	$I_O$	→	150	mA
Surge Current	$I_{FSM}$	→	2	A
Allowable Power Dissipation	P	→	300	mW
Junction Temperature	$T_j$	→	+175	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	→	-65 to +175	$^\circ\text{C}$

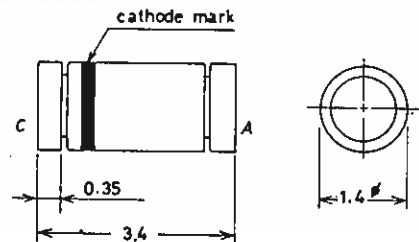
**Electrical Characteristics at  $T_a = 25^\circ\text{C}$**

	min	typ	max	unit
Forward Voltage	$V_F$	$I_F = 100\text{mA}$	1.2	V
Reverse Current	$I_{R1}$	$V_R = -30\text{V}$	-0.1	$\mu\text{A}$
	$I_{R2}$	At each $V_R$	-0.5	$\mu\text{A}$
Interterminal Capacitance	c	$V_R = 0\text{V}, f = 1\text{MHz}$	3	pF
Reverse Recovery Time	$t_{rr}$	$V_R = -6\text{V}, I_F = 10\text{mA}, R_L = 50\Omega$	4	ns

**Reverse Recovery Time ( $t_{rr}$ ) Test Circuit**



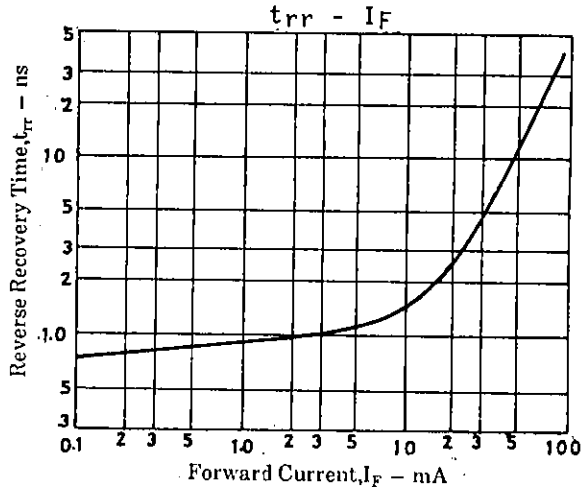
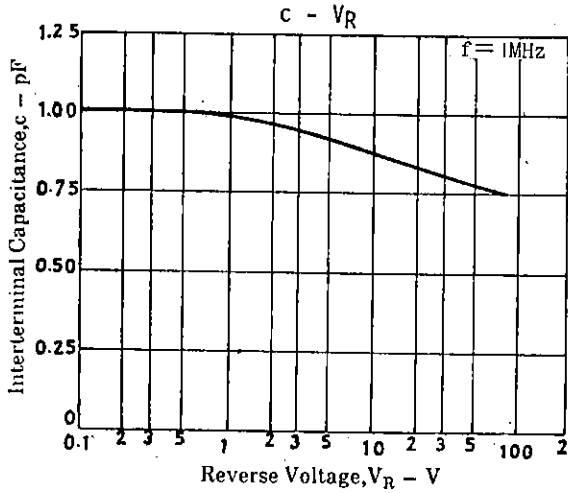
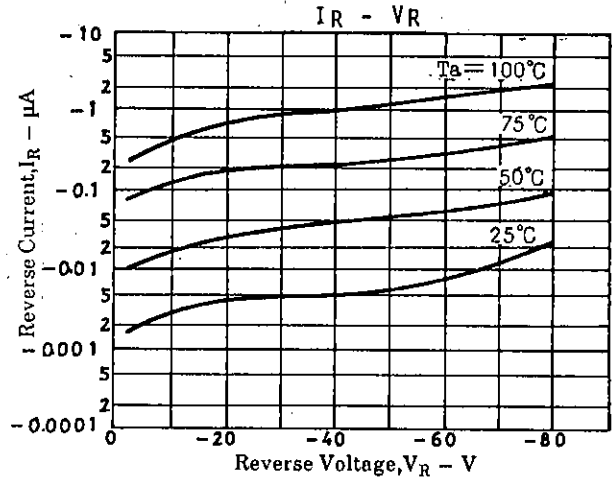
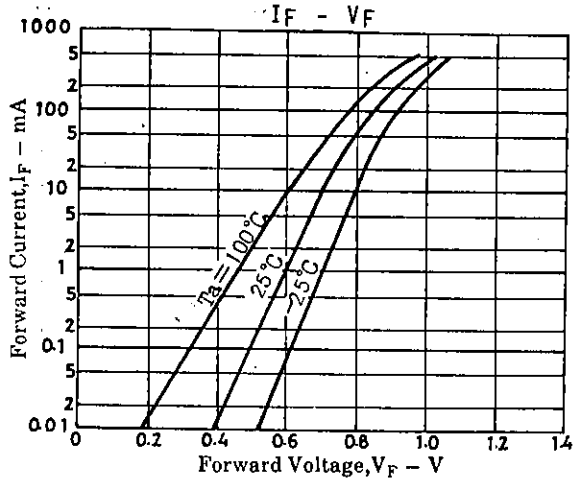
**Package Dimensions 1137 (unit: mm)**



C : Cathode  
A : Anode



LFB01,01L



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