

SANYO

No.1885C

LFB01,01L

Silicon Planar Leadless Type

Very High-Speed Switching Diode

Features

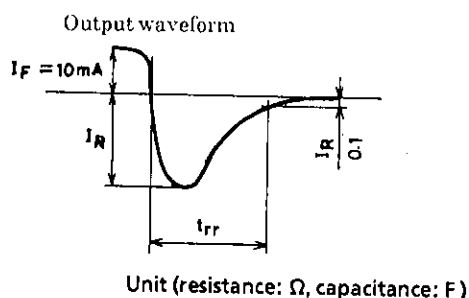
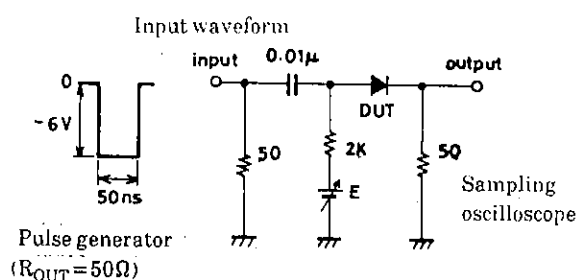
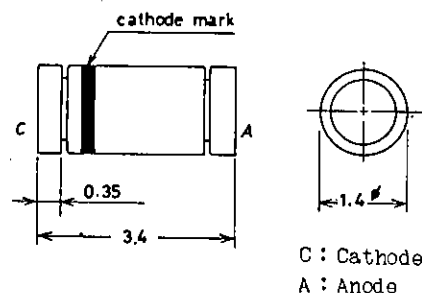
- Highly reliable leadless glass sleeve structure.
- Very small size.
- Capable of being surface-mounted.
- Forward voltage : $V_F \text{ max} = 1.2\text{V}$.
- Interterminal capacitance : $c \text{ max} = 3\text{pF}$.
- Reverse recovery time : $t_{rr} \text{ max} = 4\text{ns}$.

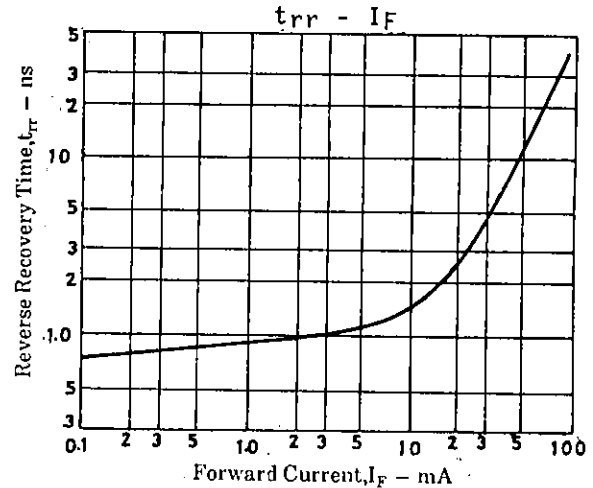
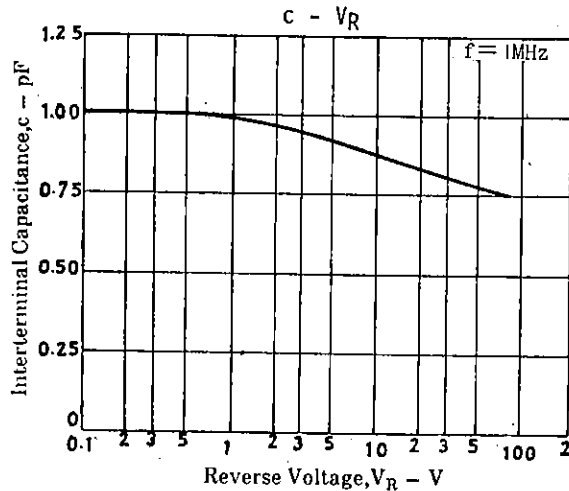
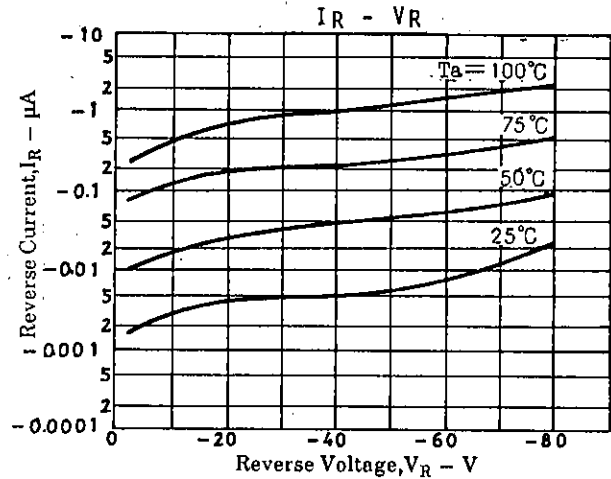
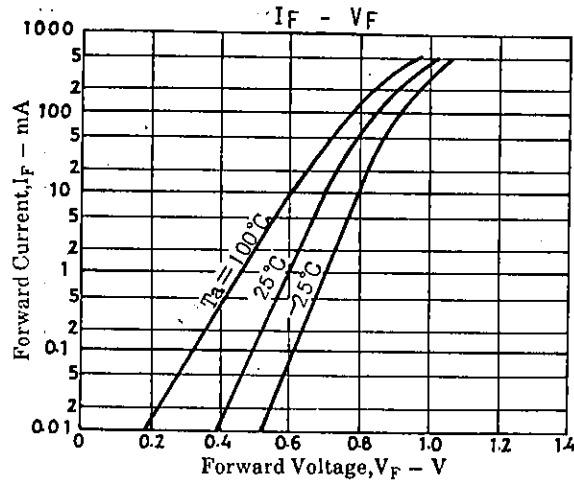
Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

		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	μA
	I_{R2}	At each V_R			-0.5	μA
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)



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