Ordering number : EN1885C

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 max = 1.2V.
- Interterminal capacitance : c max = 3pF.
- Reverse recovery time : t_{rr} max = 4ns.

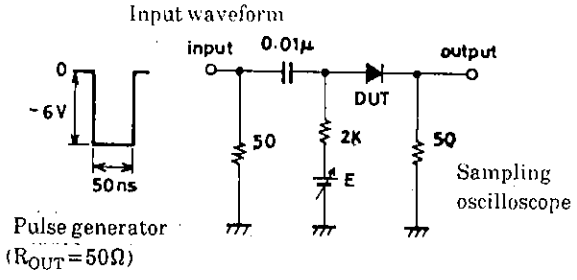
Absolute Maximum Ratings at Ta = 25°C

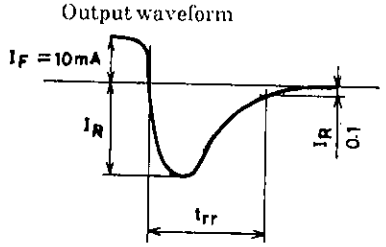
		LFB01L	LFB01	unit
Peak Reverse Voltage	V_{RM}	−55	−90	V
Reverse Voltage	V_R	−50	−80	V
Peak Forward Current	I_{FM}	→	480	mA
Average Rectified Current	I_O	→	150	mA
Surge Current	I_{FSM}	→	2	A
Allowable Power Dissipation	P	→	300	mW
Junction Temperature	Tj	→	+175	°C
Storage Temperature	Tstg	→	−65 to +175	°C

Electrical Characteristics at Ta = 25°C

			min	typ	max	unit
Forward Voltage	V_F	I_F = 100mA			1.2	V
Reverse Current	I_R1	V_R = −30V			−0.1	μA
	I_R2	At each V_R			−0.5	μA
Interminal Capacitance	c	V_R = 0V, f = 1MHz			3	pF
Reverse Recovery Time	t_{rr}	V_R = −6V, I_F = 10mA, R_L = 50Ω			4	ns

Reverse Recovery Time (t_{rr}) Test Circuit

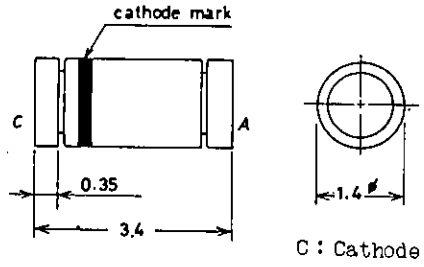




Unit (resistance: Ω, capacitance: F)

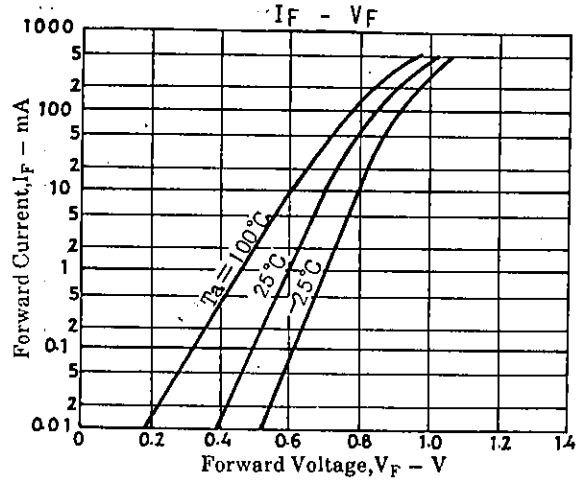
Package Dimensions 1137

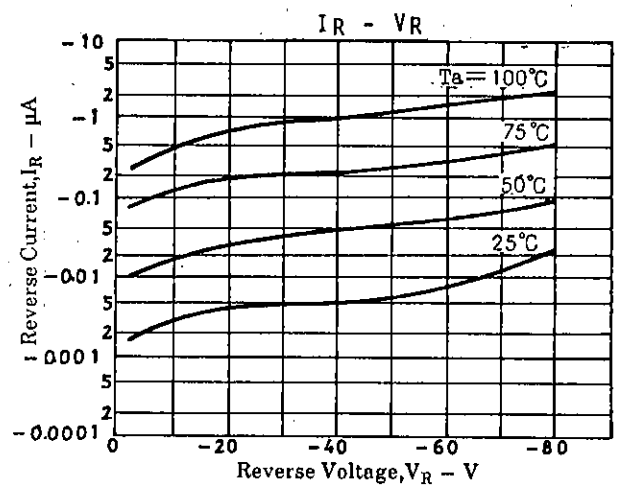
(unit: mm)

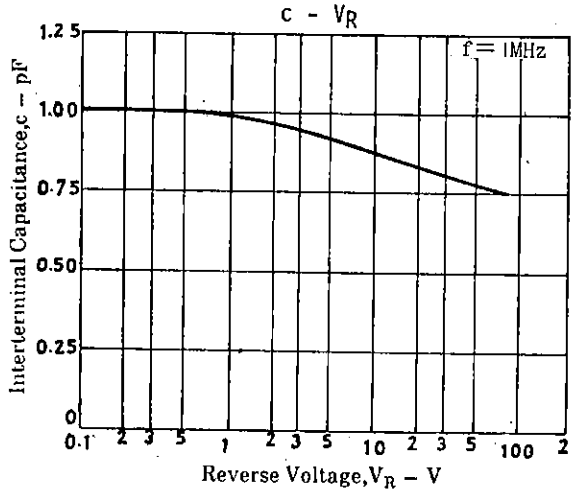


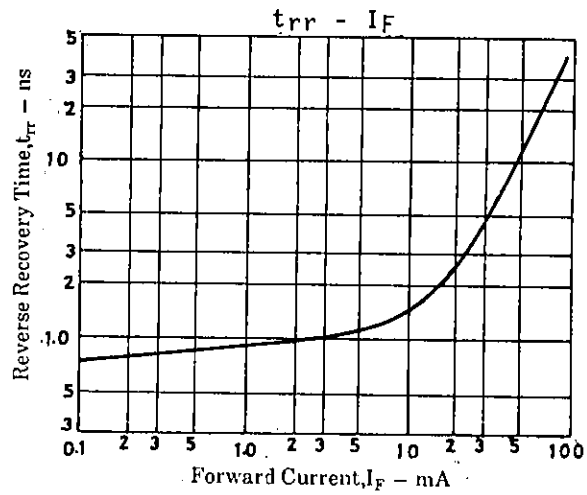
C : Cathode
A : Anode

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