FrelTec

Mathildenstr. 10A
82319 Starnberg
Germany

Schottky Diode
LL34

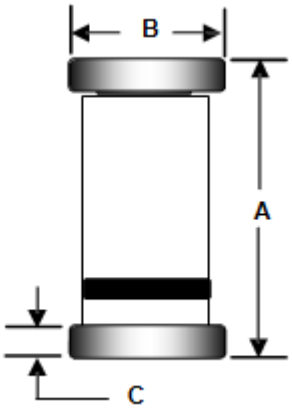
SPECIFICATION

621		LL60_xxxxx		LL34		E0Y
Type		Type		Package		Packing
621: Schottky Diode		LL60_		LL34		E0Y: tape and Reel(embossed tape) for 2,5k pc (7'REEL)

All products according to RoHS (2015/863/EU)

PACKAGE OUTLINE

DIMENSIONS



DIM	LL-34			
	Millimeters		Inches	
	Min	Max	Min	Max
A	3,30	3,60	0,130	0,142
B	1,40	1,50	0,055	0,059
C	0,35	0,50	0,014	0,020

LL34

Schottky Diode

Absolute Maximum Ratings T_A = 25°C unless otherwise noted

Symbol	Parameter	Value		Units
		LL60	LL60P	
V_{RRM}	Peak Reverse Voltage	40	45	V
I_F	Forward Continuous Current	30	50	mA
I_{FSM}	Peak Forward Surge Current (t =1S)	150	500	mA
T_{STG} /T_J	Storage and JunctionTemperature Range	-65 to +125		°C

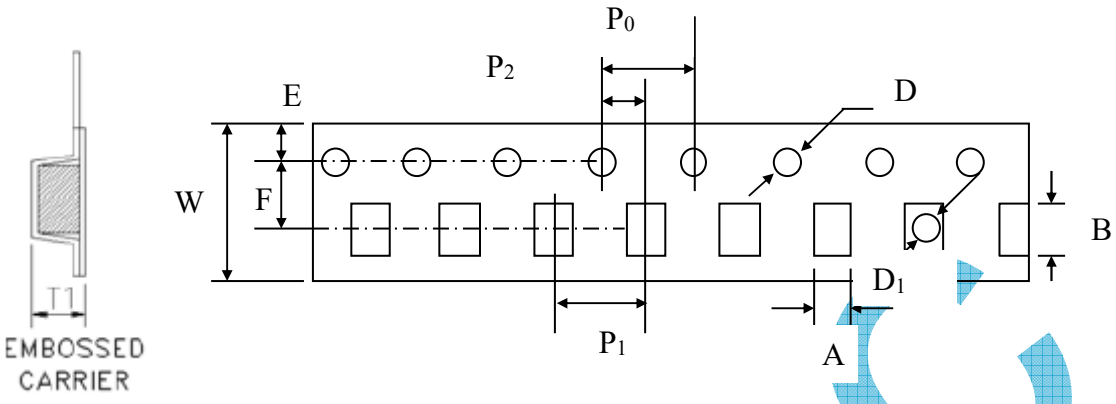
These ratings are limiting values above which the serviceability of the diode may be impaired.

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	Type	Limits			Unit
				Min	Typ	Max	
V_F	Forward Voltage	I_F=1mA	LL60 LL60P		0,32 0,24	0,5 0,5	Volts
		I_F=30mA	LL60		0,65	1,0	Volts
		I_F=200mA	LL60P		0,65	1,0	Volts
I_R	Reverse Leakage Current	V_R=15V	LL60 LL60P		0,1 0,5	0,5 1,0	uA
C_J	Junction Capacitance	V_R=1V, f=1M$_{Hz}$	LL60		2,0		pF
		V_R=10V, f=1M$_{Hz}$	LL60P		6,0		
T_{RR}	Reverse Recovery Time	I_F=I_R=1mA, Irr=1mA, Rc=100Ω	LL60 LL60P			1	nS

SPECIFICATION

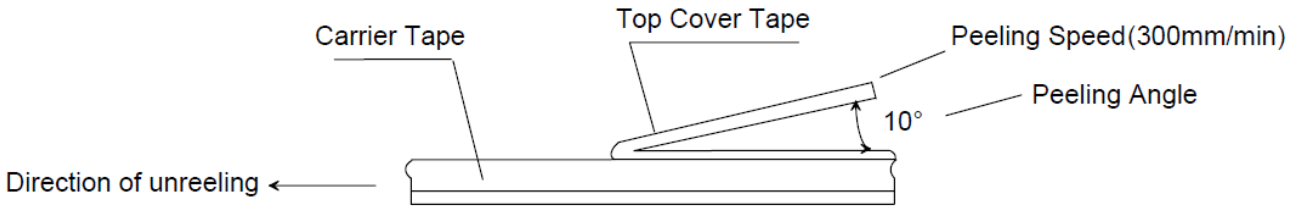
Tape And Reel Package

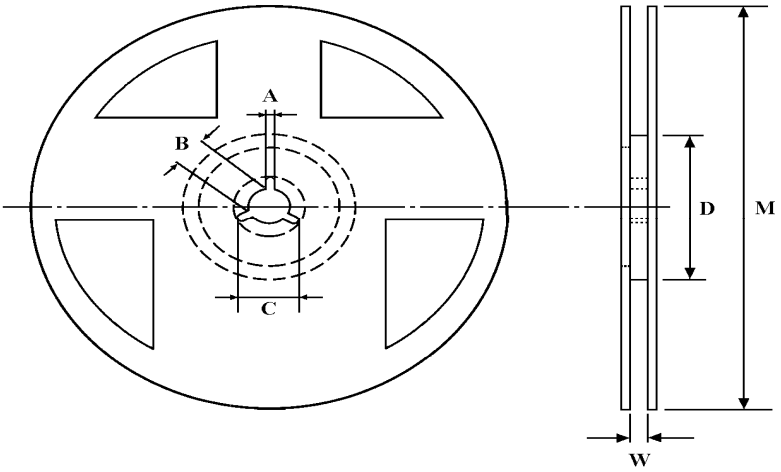


Type	A	B	W	E	F	P_0	P_1	P_2	ΦD	$ΦD_1$	T1
	1,83 ±0,1	3,73 ±0,1	8,00±0,10	1,75±0,1	3,5 ±0,05	4,00±0,10	4,00±0,10	2,00±0,05	1,55±0,03	1,5	2,22 ±0,05

Cover Tape Peel off Strength

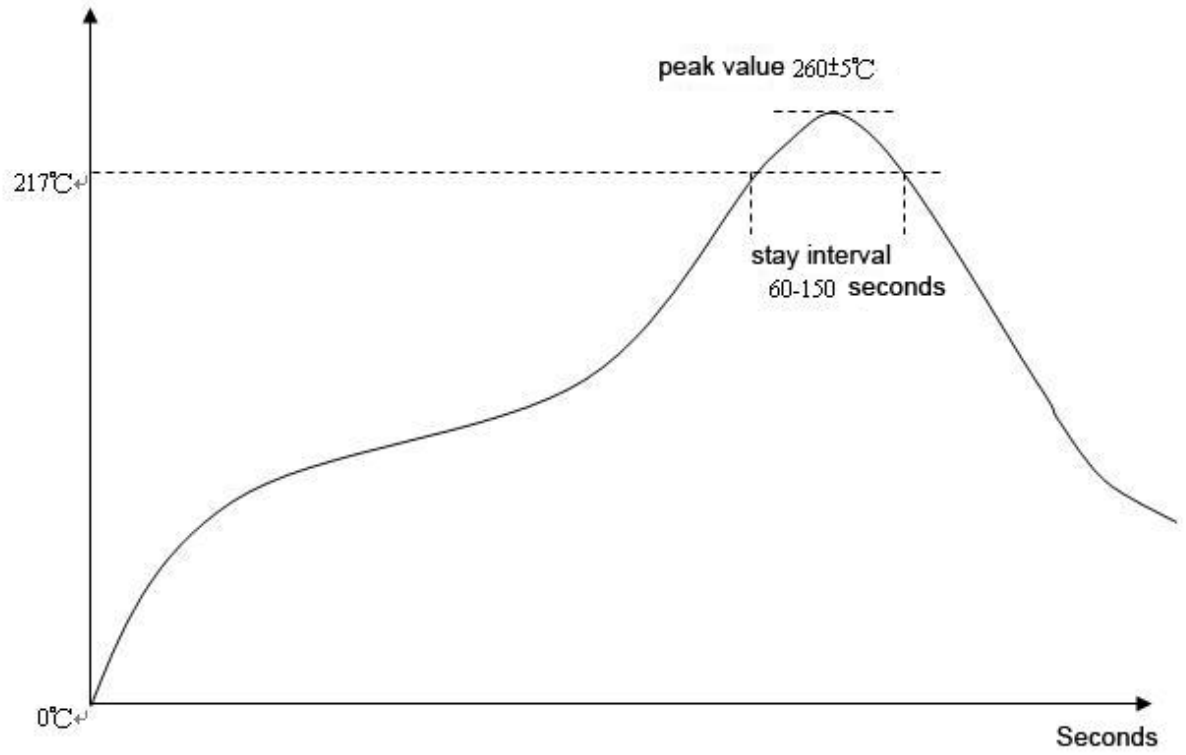
Specifications: peel force of top cover tape shall be between 8 to 40g
The peel speed shall be about 300mm/min±5%





Type	Packaging	M	A	B	C	D	W	T
	Embossed	178,0±1,0	2±0,5	13,5±0,7	21±0,5	60,0+1,0	13,5±1,0	15,5±1,0

Lead Free Reflow Soldering Profile



Stock period

The performance of these products, including the solderability, is guaranteed for 12 month, provided that they remain packed as they were when delivered and stored at a temperature of 25°C ± 3°C and a relative humidity less than 80%RH

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