■Absolute Maximum Ratings (Ta=25°C unless otherwise specified)

PARAMETER	SYMBOL		UNIT
Peak pulse power (t_p = 8/20μs)	P_{pk}	120	W
Peak pulse current (t_p = 8/20μs)	I_{PP}	6	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	±30	KV
ESD according to IEC61000-4-2 contact discharge		±30	KV
Junction temperature	T_J	125	°C
Operating temperature	T_{OP}	-40~85	°C
Storage temperature	T_{STG}	-55~150	°C

■Electrical Characteristics (T_a=25 Unless otherwise specified)

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse maximum working voltage	V_{RWM}	V				±12
Reverse leakage current	I_R	nA	V_{RWM} =12V			100
Reverse breakdown voltage	V_{BR}	V	I_{BR} = 1mA	13	14	
Reverse holding voltage	V_{HOLD}	V	I_{HOLD} = 50mA	13	14	
Clamping voltage 1)	V_{CL}	V	I_{PP} = 16A, t_p = 100ns		21.0	
Dynamic resistance 1)	R_{DYN}	Ω			0.35	
Clamping voltage 2)	V_{CL}	V	V_{ESD} = 8kV		21.0	
Clamping voltage 3)	V_{CL}	V	I_{PP} = 1A, t_p = 8/20μs		14	16
		V	I_{PP} = 6A, t_p = 8/20μs		18.5	20
Junction capacitance	C_J	pF	V_R = 0V, f = 1MHz		5	7
		pF	V_R = 2.5V, f = 1MHz		4	6

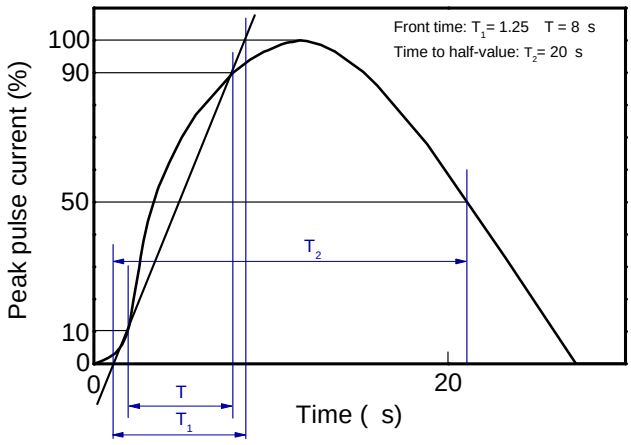
(1). TLP parameter: Z_0 = 50Ω, t_p = 100ns, t_r = 2ns, averaging window from 60ns to 80ns. R_{DYN} is calculated from 4A to 16A.
(2). Contact discharge mode, according to IEC61000-4-2.
(3). Non-repetitive current pulse, according to IEC61000-4-5.

■Ordering Information (Example)

PREFERED P/N	UNIT WEIGHT(mg)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
ESDLC12VLZB	Approximate 0.18	10000	100000	400000	Tae& reel

■ **Typical Performance Characteristics** (Ta=25 unless otherwise Specified)

μ - - - -



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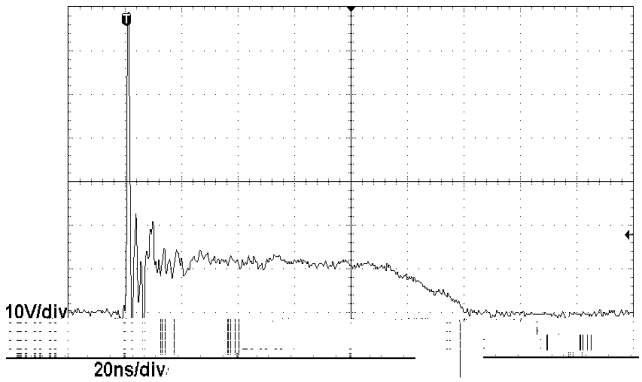
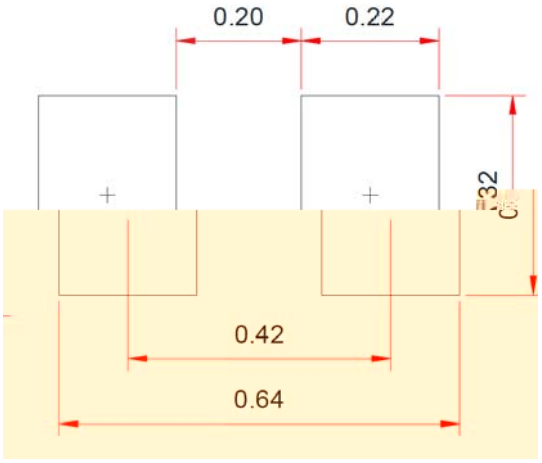


■ Outline Dimensions

Symbol	min.(mm)	Max.(mm)
A	0.55	0.67
B	0.25	0.37
C	0.23	0.35
C1		0.05
E		0.4
F	0.100	0.205
G	0.200	0.295

■ Recommend land pattern (Unit:mm)



Notes:
This recommended land pattern is for reference purposes only. Please consult your manufacturing group to ensure your PCB design guidelines are met

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