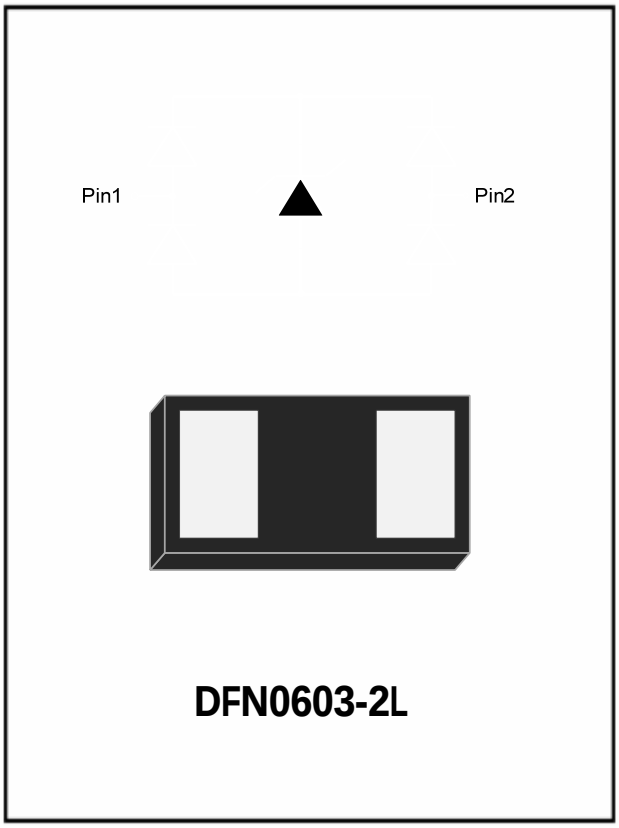
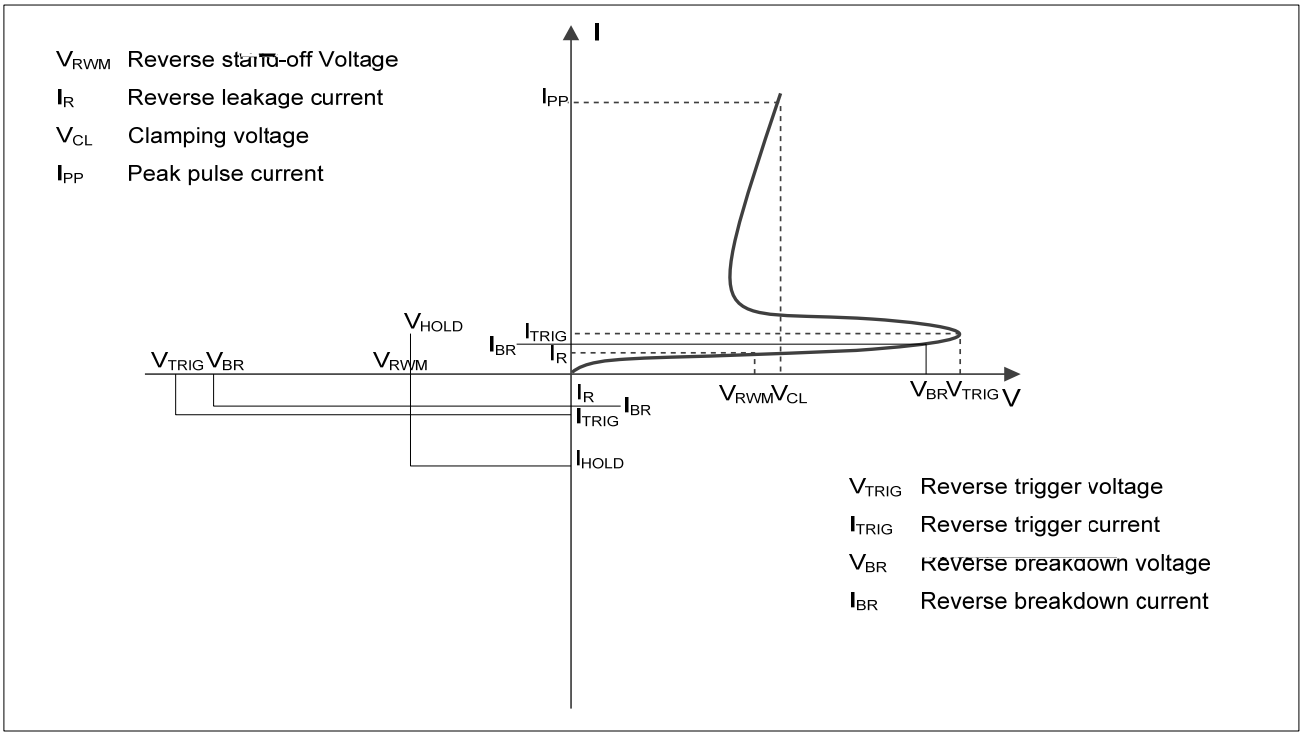


■Definitions of electrical characteristics



■Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
Peak pulse power (t_p = 8/20μs)	P_{pk}	35	W
Peak pulse current (t_p = 8/20μs)	I_{PP}	5	A
ESD according to IEC61000-4-2 air discharge	V_{ESD}	±15	kV
ESD according to IEC61000-4-2 contact discharge		±15	
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

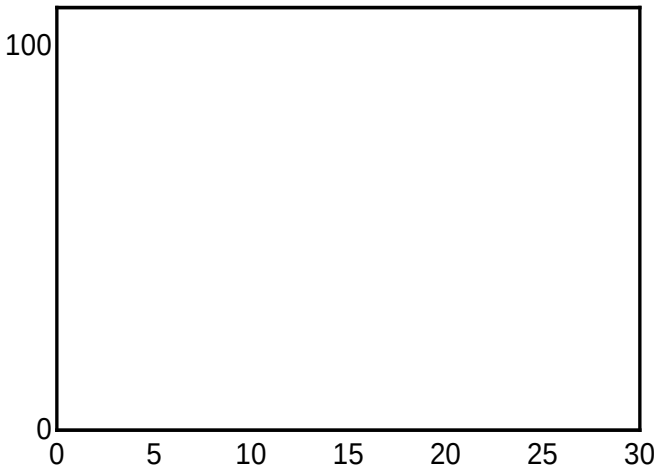
PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse maximum working voltage	V_{RWM}	V				3.3
Reverse leakage current	I_R	nA	V_{RWM} = 3.3V		1	50
Reverse breakdown voltage	V_{BR}	V	I_{BR} = 1mA	7.0	10.0	
Clamping voltage [1)]	V_{CL}	V	I_{PP} = 16A, t_p = 100ns		9	
Dynamic resistance [1)]	R_{DYN}	Ω			0.3	
Clamping voltage [2)]	V_{CL}	V	V_{ESD} = 8kV		9	
Clamping voltage [3)]	V_{CL}	V	I_{PP} = 1A, t_p = 8/20μs		3.2	4.5
		V	I_{PP} = 5A, t_p = 8/20μs		5.2	7
Junction capacitance	C_J	pF	V_R = 1.5V, f = 1MHz			0.5

Notes:
(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.

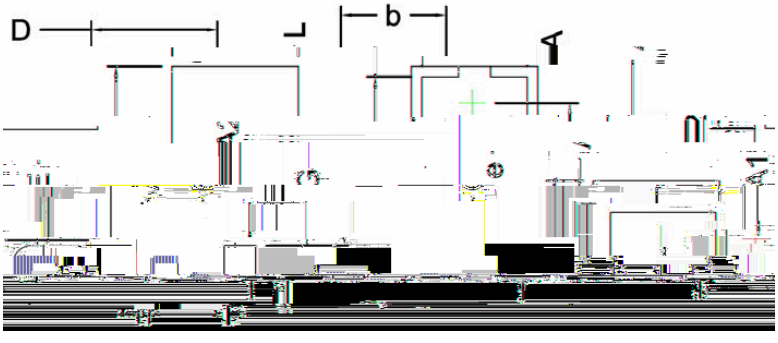
■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(mg)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
VESDSLC3V3LZBA	F1	Approximate 0.18	10000	40000	400000	7” reel

■ **Characteristics (Typical)**

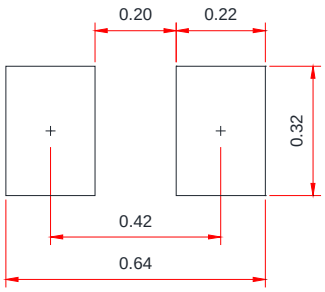


■ Outline Dimensions



SYMBOL	MILLIMETER		
	MIN	NOM	MAX
D	0.25	0.30	0.35
E	0.55	0.60	0.67
A	0.23	0.30	0.35
A1		0.102 BSC	
A2			0.05
F	0.005		
G	0.005		
L	0.10	0.17	0.21
b	0.20	0.24	0.23
e		0.36 BSC	

Recommended PCB Layout



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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