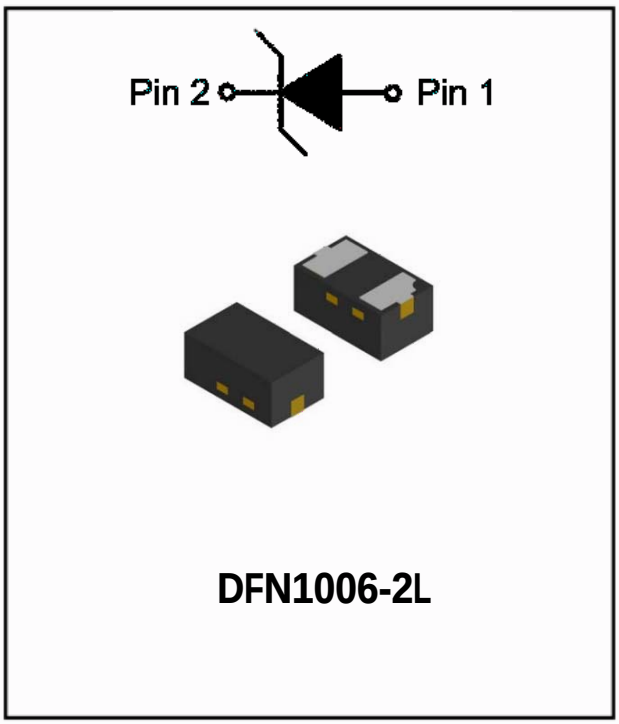
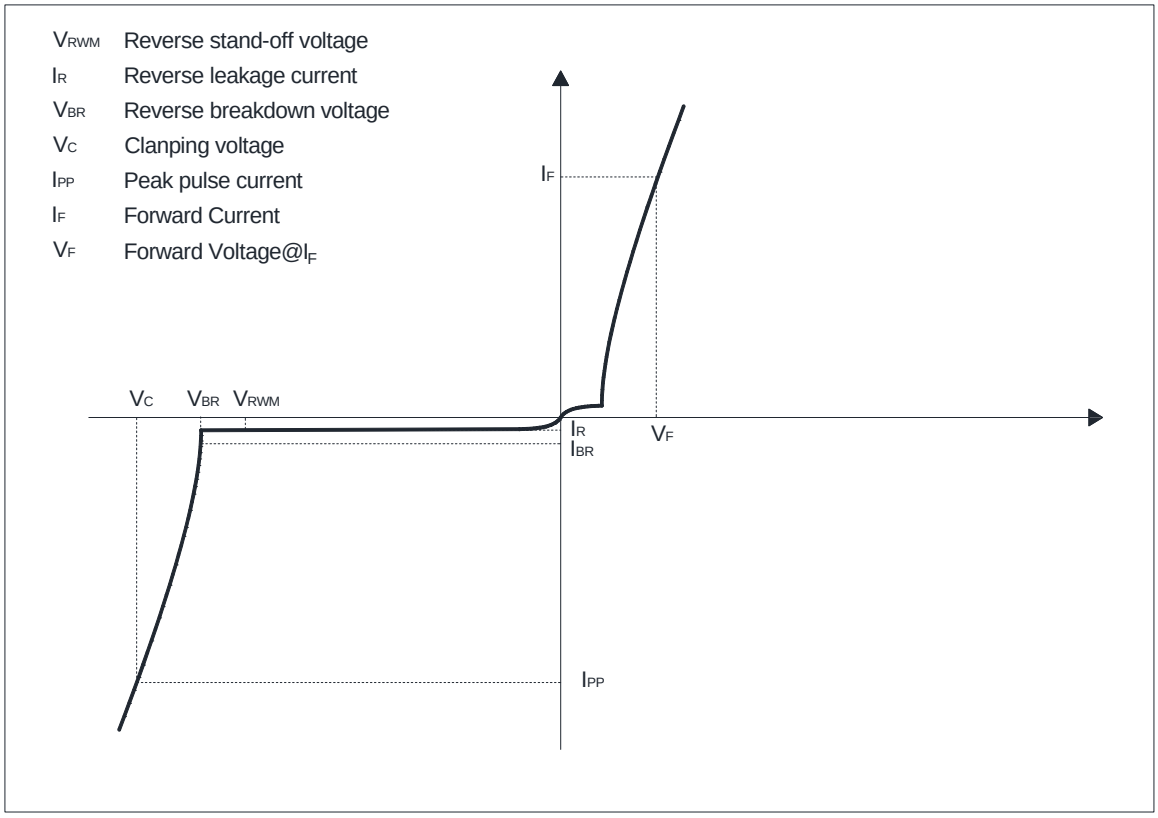


- Transient protection for each line according to IEC61000-4-2(ESD): ±30kV (air), ±30kV (contact) IEC61000-4-5:8/20μs 3A
- Low leakage current
- Ultra low clamping voltage
- RoHS Compliant
- Part no. with suffix “Q” means AEC-Q101 qualified

- Package: DFN1006-2L
- Lead Finish: Matte Tin
- Case Material: “Green” Molding Compound
- Moisture Sensitivity: Level 1 per J-STD-020

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□ □			
Peak pulse power (t_p = 8/20μs)	P_{pk}	180	W
ESD according to IEC61000-4-2 air discharge	V_{ESD}	±30	KV
ESD according to IEC61000-4-2 contact discharge		±30	
Junction temperature	T_J	-55~150	
Storage temperature	T_{STG}	-55~150	

Notes:

CAUTION: Stresses above those listed in “Absolute Maximum Ratings” may cause permanent damage to the component. This is a stress only rating and operation of the component at these or any other conditions above those indicated in the operational sections of this specification is not implied.

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□ □						
Reverse Standoff Voltage	V_{RWM}	V				27
Reverse breakdown voltage	V_{BR}	V	I_{BR} = 1mA	31		38
Reverse leakage current	I_R	uA	V_{RWM} = 27V			0.5
Forward Voltage	V_F	V	I_F=10mA			1.1
Clamping voltage [1)]	V_{CL}	V	I_{PP} = 1A, t_p = 8/20μs		52	60
			I_{PP} = 2.5A, t_p = 8/20μs		68	75
tŜl·ļ tdzfãŜ /dzNNŜyű	I_{PP}	A	t_p = 8/20μs			2.5
Junction capacitance	C_J	pF	V_R = 0V, f = 1MHz		13	

Notes:

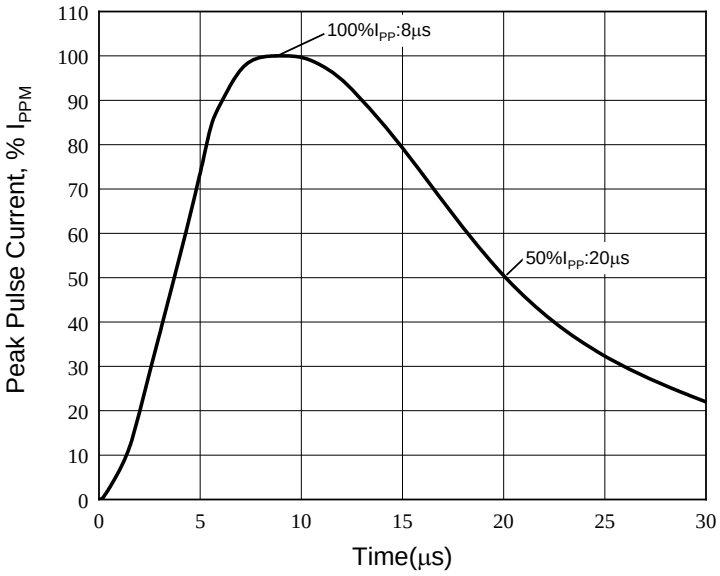
(1). Non-repetitive current pulse, according to IEC61000-4-5.

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	□		□ □	□	□ □	
ESD27VLQ	F1	Approximate 0.9	10K	100K	400K	Tape&Reel

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Fig.1: 8/20μs Pulse Waveform



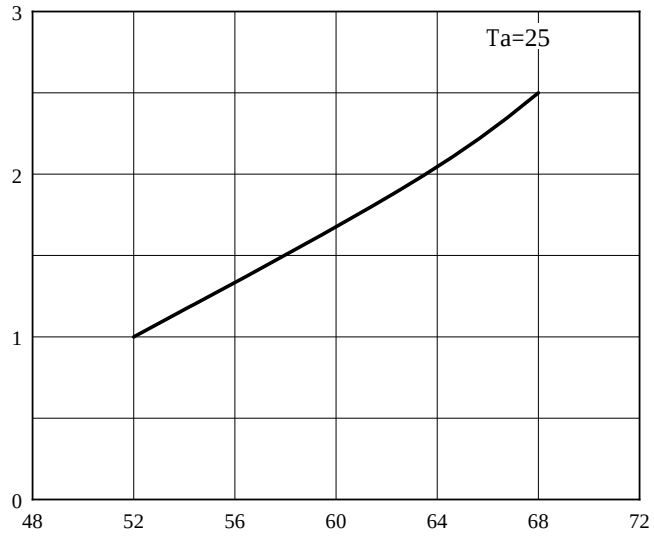
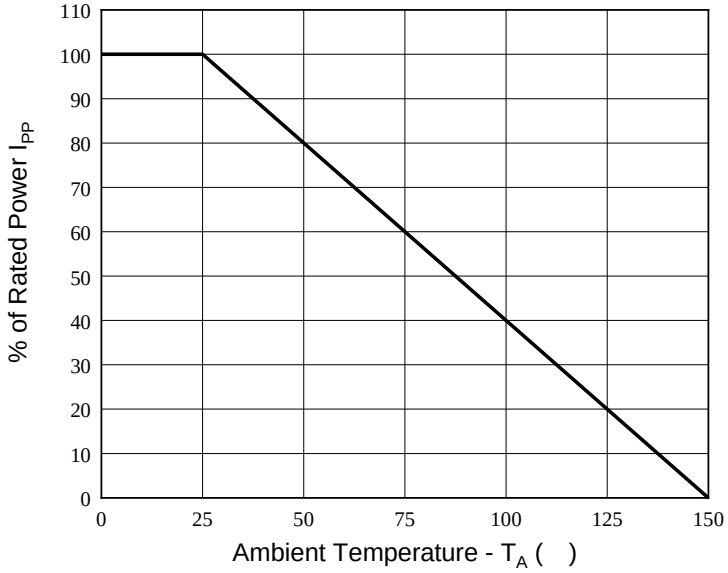
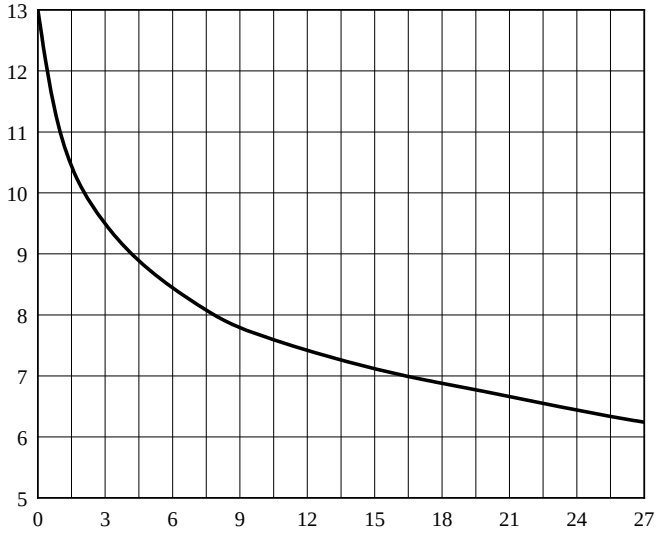
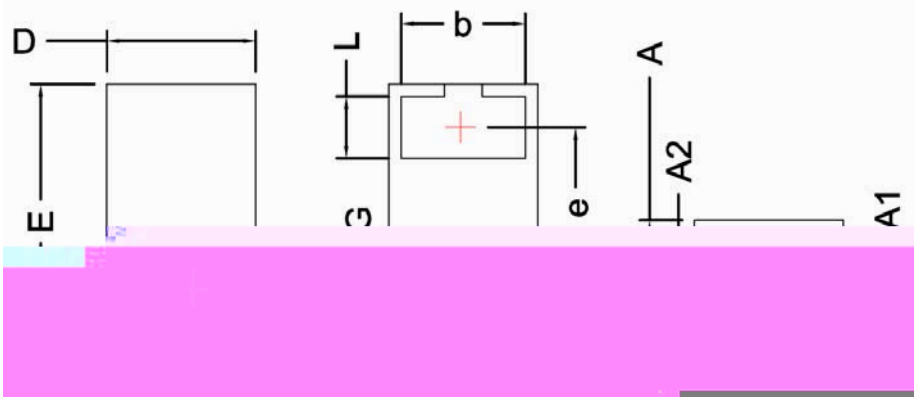


Fig.3: Power Derating Curve

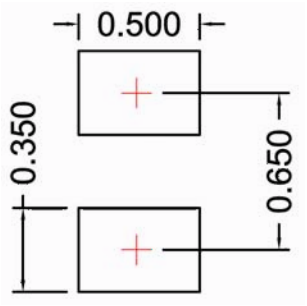




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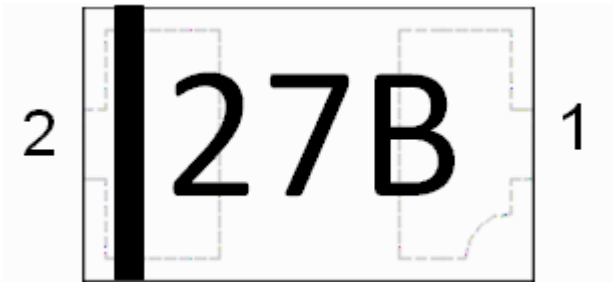


SYMBOL	MILLIMETER		
	MIN	NOM	MAX
D	0.50	0.60	0.70
E	0.90	1.00	1.10
A	0.35	0.45	0.55
A1		0.15 BSC	
A2			0.10
F	0.005		
G	0.005		
L	0.15	0.25	0.35
b	0.41	0.50	0.59
e		0.65 BSC	



Unit mm

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Note:
1. All marking is at middle of the product body
2. All marking is in laser marking
3. Body color: Black

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