

- Epoxy meets UL-94 V-0 flammability rating and halogen free
- Moisture Sensitivity Level 1
- Protects One Data Line of LIN
- Max Peak Pulse Power 160 W (tp=8/20 us)
- Low Clamping Voltage
- IEC 61000-4-2 level 4 (ESD)
- Part no. with suffix “Q” means AEC-Q101 qualified

- Automotive LIN-bus protection
- Asymmetrical diode configuration ensures an optimized protection against ElectroMagnetic Interferences (EMI) of a LIN Electronic Control Unit (ECU)

Peak Pulse Power per Line (tp=8/20 us) Note1	P_{PP}	W	160
Peak Pulse Current per Line (tp=8/20 us) Pin1 to Pin2 Note1 Peak Pulse Current per Line (tp=8/20 us) Pin2 to Pin1 Note1	I_{PP}	A	5 3
Storage Temperature Range	T_{stg}	°C	-55~+150
Junction Temperature	T_J	°C	-55~+150
Human Body Model HBM	V_{ESD}	KV	10

Note1 Non-repetitive current pulse 8/20 μs exponential decay waveform according to IEC 61000-4-5.

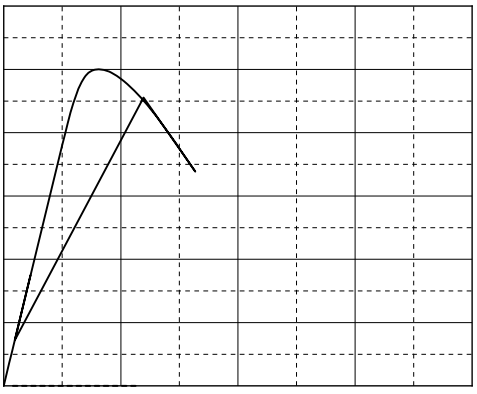
■ (Ta=25 unless otherwise noted)

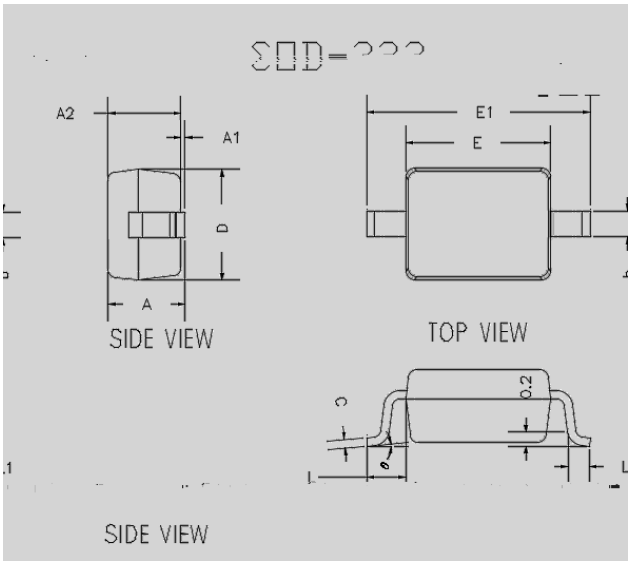
Reverse Working Voltage	V_{RWM}	V	Pin1 to Pin2 (15V)	-		15
			Pin2 to Pin1 (24V)			24
Reverse Breakdown Voltage	V_{BR}	V	I_T=1mA Pin1 to Pin2 (15V)	17.1		20.3
			I_T=1mA Pin2 to Pin1 (24V)	25.4		30.3
Reverse Leakage Current	I_R	nA	V_{RWM}=15V Pin1 to Pin2 (15V)	-		50
			V_{RWM}=24V Pin2 to Pin1 (24V)	-		50
Clamping Voltage (8/20us Pulse)	V_C	V	I_{PP}=1A Pin1 to Pin2 (15V)	-		25
			I_{PP}=5A Pin1 to Pin2 (15V)	-		35
	V_C	V	I_{PP}=1A Pin2 to Pin1 (24V)	-		40
			I_{PP}=3A Pin2 to Pin1 (24V)	-		50
Junction Capacitance	C_j	pF	V_{BR}=0V f=1MHZ Pin1 to Pin2 (15V)	-		30
			V_{BR}=0V f=1MHZ Pin2 to Pin1 (24V)	-		30

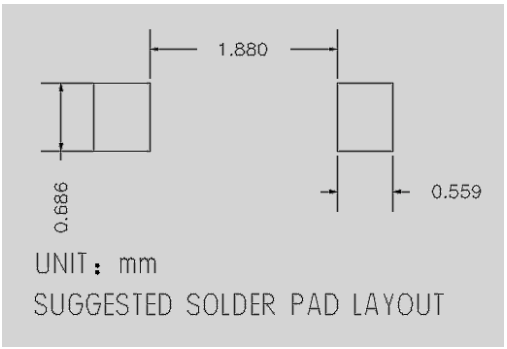
■ (Example)

ESDLIN1524D3Q	F2	Approximate 0.0045	3000	30000	120000	7” reel

(Typical)







DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MN	MAX
A	---	0.0393	---	1.0000
A1	0.0000	0.0039	0.0000	0.1000
A2	0.0314	0.0354	0.8000	0.9000
b	0.0098	0.0157	0.2500	0.4000
0.1500	[illegible]	[illegible]	[illegible]	[illegible]
1.4006	[illegible]	0.0472	0.0551	1.2000
1.8006	[illegible]	0.0629	0.0709	1.6000
2.7000	E1	0.0984	0.1063	2.5000
1.75°YP.	L	[illegible]	0.0197TYP	0.4
0.400	L1	0.0098	0.0157	0.250
8°	θ	0°	8°	0°

■



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

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