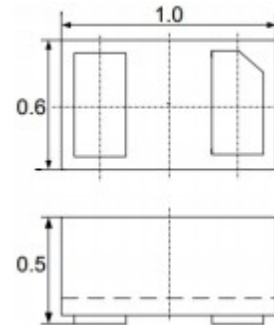




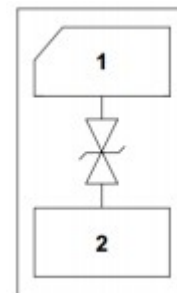
Features

- Ultralowleakage:nAlevel
- Lowoperatingvoltage:5V
- Lowclampingvoltage
- 2-pinleadlesspackage
- Complieswithfollowingstandards:
 - IEC61000-4-2(ESD)immunitytestAirdischarge:±30kV
 - Contactdischarge:±30kV
 - IEC61000-4-5(Lightning)10A(8/20µs)RoHSCompliant

DimensionsDFN1006



PinConfiguration



Applications

- CellularHandsetsandAccessories
- PersonalDigitalAssistants
- NotebooksandHandhelds
- PortableInstrumentation
- DigitalCameras
- Peripherals
- AudioPlayers
- Keypads,SideKeys,LCDDisplays

MechanicalCharacteristics

- Package:DFN1006
- LeadFinish:LeadFree
- ULFlammabilityClassificationRating94V-0
- QuantityPerReel:10,000pcs
- ReelSize:7inch

AbsoluteMaximumRatings(Tamb=25°Cunlessotherwise specified)



Parameter	Symbol	Value	Unit
PeakPulsePower(8/20 μ s)	P _{pp}	120	W
ESDperIEC61000-4-2(Air)	V _{ESD}	± 30	Kv
ESDperIEC61000-4-2(Contact)		± 30	
OperatingTemperatureRange	T _J	-55to+125	$^{\circ}$ C
StorageTemperatureRange	T _{STJ}	-55to+150	$^{\circ}$ C

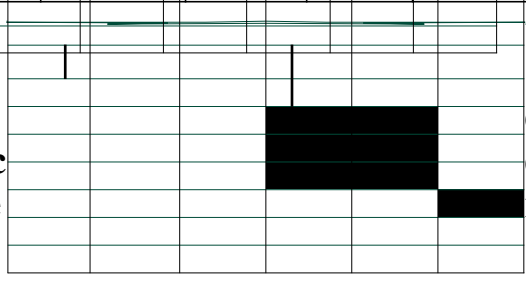
[ESDA05CPH1](#)

ElectricalCharacteristics(T_A=25 $^{\circ}$ Cunlessotherwisepecified)



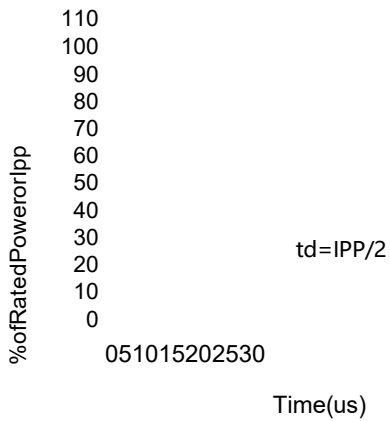
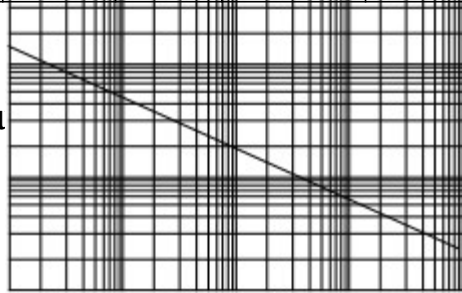
Leiditech						V _c @1A (kW)	V _c		I _R μA (Max)	C (Pf) (Typ.)
PartNumber	E M						(Max)	(@A)		
ESDA05CPH1						15	10	0.1	12	

Typical Performance Characteristics



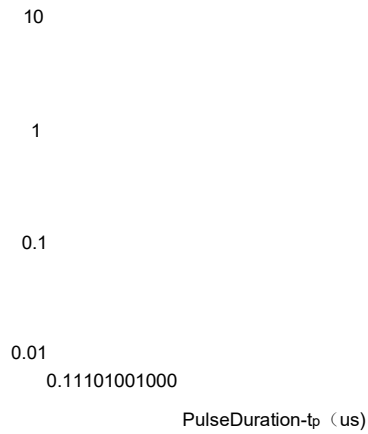
$T_A = 25^\circ C$

CPH1

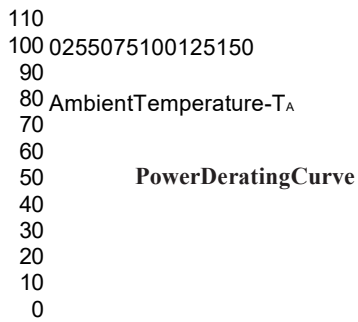


Pulse Waveform

Waveform Parameters:
tr=8us
td=20us



Non-Repetitive Peak Pulse Power vs. Pulse Time



Power Derating Curve

Rev: 3/4

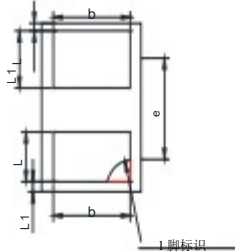
www.leiditech.com



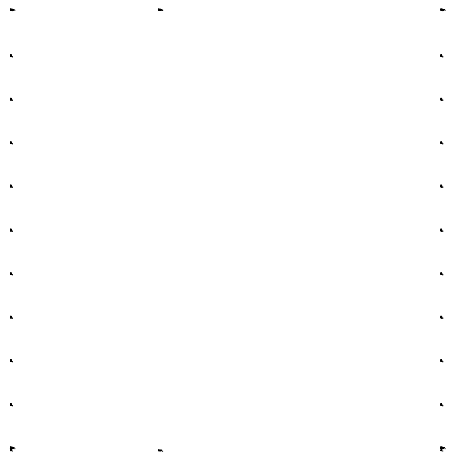
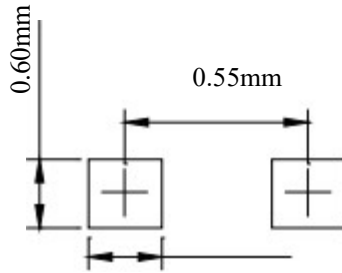
ESDA05CPH1

DIM	Millimeters	
	Min	Max
A	0.40	0.50
A1	0.00	0.05
D	0.55	0.65
E	0.95	1.05
b	0.45	0.55
e	0.65TYP	
L	0.2	0.32
L1	0.05REF	

DFN1006PackageOutlineDrawing



0.85mm



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