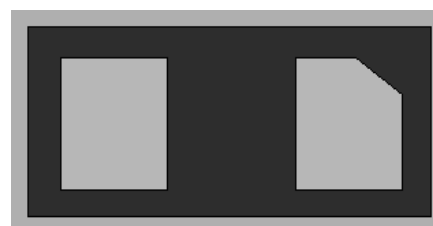


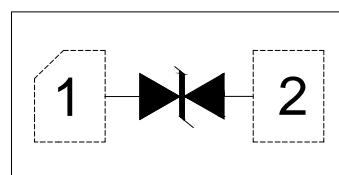
Small body outline dimensions :0.6mm×0.3mm
 Low clamping voltage
 Low operating voltage: 5.0V
 Low leakage current
 Ultra low capacitance: 0.18pF(typ.)
 RoHS compliant



DFN0603-2L(Bottom view)

MAIN APPLICATIONS

Notebooks and smartphone
 Computer and peripheral devices
 Portable electronics



Pin Configuration(Top view)

PROTECTION SOLUTION TO MEET

IEC61000-4-2 (ESD) $\pm 30\text{kV}$ (air), $\pm 30\text{kV}$ (contact)
 IEC61000-4-4 (EFT) 40A (5/50ns)
 IEC61000-4-5(Lightning) 8A (8/20 μs)

MECHANICAL CHARACTERISTICS

DFN0603-2L package
 Molding compound flammability rating : UL 94V-0
 Quantity per reel : 10,000pcs
 Lead finish : lead free
 Marking code: J*

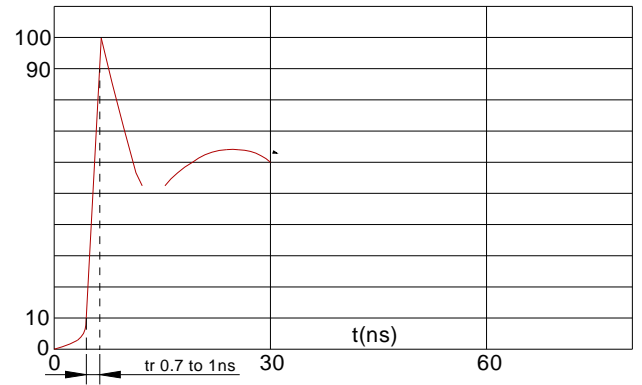
ABSOLUTE MAXIMUM RATINGS⁽¹⁾($T_A=25^\circ\text{C}$, RH=45%-75%, unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak pulse power dissipation at 8/20 μs waveform	P_{PP}	96	9 5

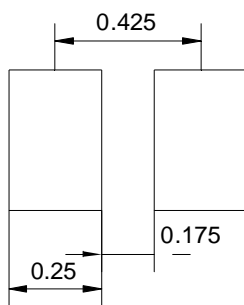
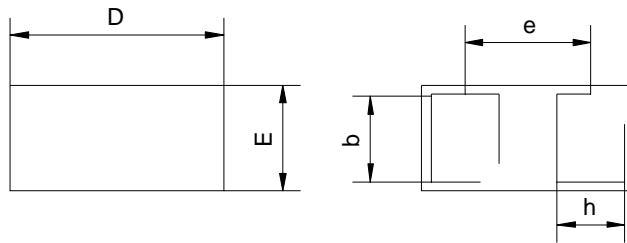
Operating junction temperature range	T_J	-55 to +125	
Storage temperature range	T_{STG}	-55 to +150	

ELECTRICAL CHARACTERISTICS (T_A=25)

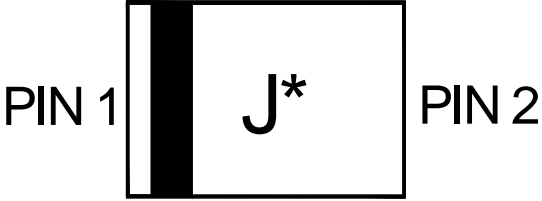
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse working voltage	V _{RWM}				5.0	V
Reverse breakdown voltage	V _{BR}	I _T =1mA	6.5		10	V
Reverse leakage current	I _R	V _{RWM} =5.0V			0.1	μA
Holding voltage	V _H	I _H =100mA	5.5			V
Clamping voltage	V _C	I _{PP} =16A, t _P =100ns		11.3		V
Dynamic resistance	R _{DYN}			0.31		
Clamping voltage	V _C	V _{ESD} =8kV		11.5		V
Clamping voltage	V _C	I _{PP} =1A, t _P =8/20μs		6.5	8.0	V



PACKAGE MECHANICAL DATA



MARKING CODE

Part Number	Marking Code
JEB05PCDS-A	<div style="text-align: center;">  <p>J=Device code *=Date code(A~z)</p> </div>

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