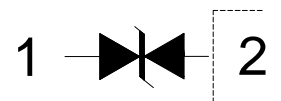




Protects one bi-directional I/O line  
 Low clamping voltage  
 Low operating voltage: 7.0V  
 RoHS compliant

DFN0603-2L(Bottom view)

Cell phone handsets and accessories  
 Personal digital assistants (PDA's)  
 Notebooks, desktops, and servers  
 Portable instrumentation  
 Communication systems  
 Microprocessor based equipment



IEC61000-4-2 (ESD) ±30kV (air), ±30kV (contact)  
 IEC61000-4-4 (EFT) 40A(5/50ns)  
 IEC61000-4-5(Lightning) 6A(8/20us Å

DFN0603-2L package  
 Molding compound flammability rating : UL 94V-0  
 Quantity per reel : 10,000pcs  
 Lead finish : lead free  
 Marking code: A7

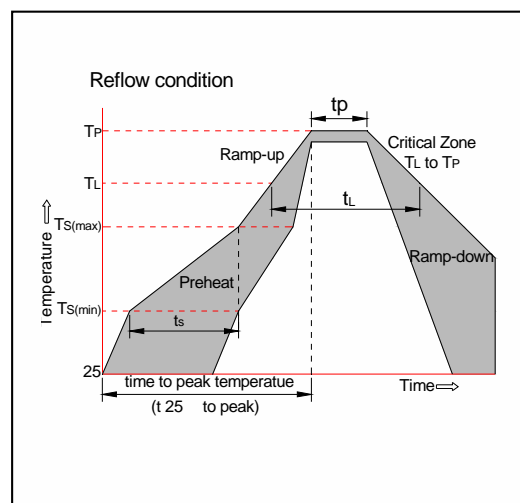
(T<sub>A</sub>=25°C, RH=45%-75%, unless otherwise noted)

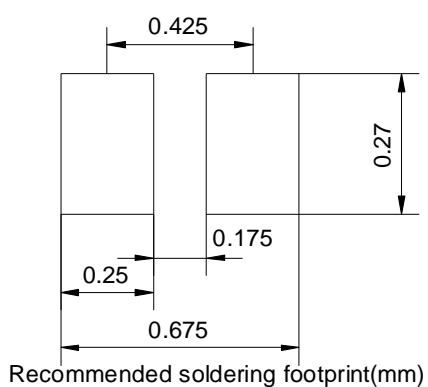
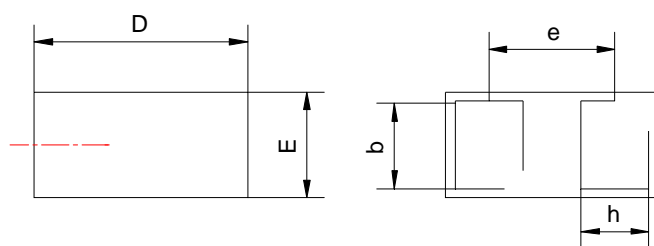
Parameter	Symbol	Value	Unit
Peak pulse power dissipation on 8/20 μs waveform	T		
Storage temperature	STG	-55 to +150	

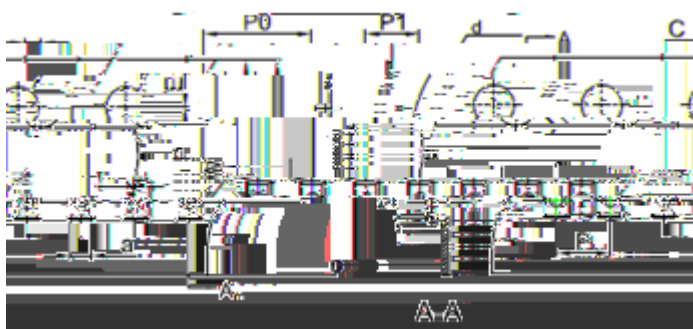
(T<sub>A</sub>=25 )

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse working voltage	V <sub>RWM</sub>				7.0	V
Reverse breakdown voltage	V <sub>BR</sub>	I <sub>T</sub> =1mA	7.2		10.5	V
Reverse leakage current	I <sub>R</sub>	V <sub>RWM</sub> =7V			100	nA
Peak pulse current	I <sub>PP</sub>	t <sub>P</sub> =8/20μs			6	A
Clamping voltage	V <sub>C</sub>	I <sub>PP</sub> =1A, t <sub>P</sub> =8/20μs		8	10	V

Reflow Condition		Pb-Free assembly (see figure at right)
Pre Heat	-Temperature Min ( $T_{s(min)}$ )	+150
	-Temperature Max( $T_{s(max)}$ )	+200
	-Time (Min to Max) (ts)	60-180 secs.
Average ramp up rate (Liquidus Temp ( $T_L$ )to peak)		3 /sec. Max
$T_{s(max)}$ to $T_L$ - Ramp-up Rate		3 /sec. Max
Reflow	-Temperature( $T_L$ )(Liquidus)	+217
	-Temperature( $t_L$ )	60-150 secs.
Peak Temp ( $T_P$ )		+260(+0/-5)
Time within 5 of actual Peak Temp ( $t_p$ )		20-40secs.
Ramp-down Rate		6 /sec. Max
Time 25 to Peak Temp ( $T_P$ )		8 min. Max
Do not exceed		+260








Symbol	Millimeters	Inches
	Typ.	Typ.
a	0.41	0.016
B	0.70	0.028
C	0.38	0.015
d	1.50	0.059
E	1.75	0.069

PART No.	PACKAGE TYPE	QUANTITY(PCS) REEL	DESCRIPTION
JEB07DS-A	DFN0603-2L	10,000	7 inch reel pack

Part Number	Marking Code
JEB07DS A	 <p>PIN 1      A7      PIN 2</p>

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