



FEATURES

- Protects one I/O or power line
- Low clamping voltage
- Working voltage: 5.0V
- Low leakage current
- RoHS compliant

MAIN APPLICATIONS

- Cellular phones
- Personal digital assistants (PDA's)
- Laptop computers
- Digital cameras

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) 110A (8/20 μs)

MECHANICAL CHARACTERISTICS

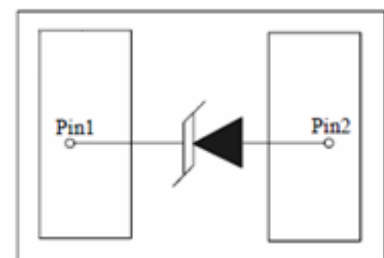
- DFN1610-2L package
- Molding compound flammability rating: UL 94V-0
- Quantity per reel: 3,000pcs
- Lead finish: lead free
- Marking code: 5P

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

Parameter	Symbol	Value	Unit
Peak pulse power dissipation on 8/20 μs waveform	P_{PP}	2000	W
ESD per IEC 61000-4-2 (Air) ESD per IEC 61000-4-2 (Contact)	V_{ESD}	+/- 30 +/- 30	kV
Lead soldering temperature	T_L	260 (10 sec.)	
Operating junction temperature range	T_J	-55 to +125	
Storage temperature range	T_{STG}	-55 to +150	



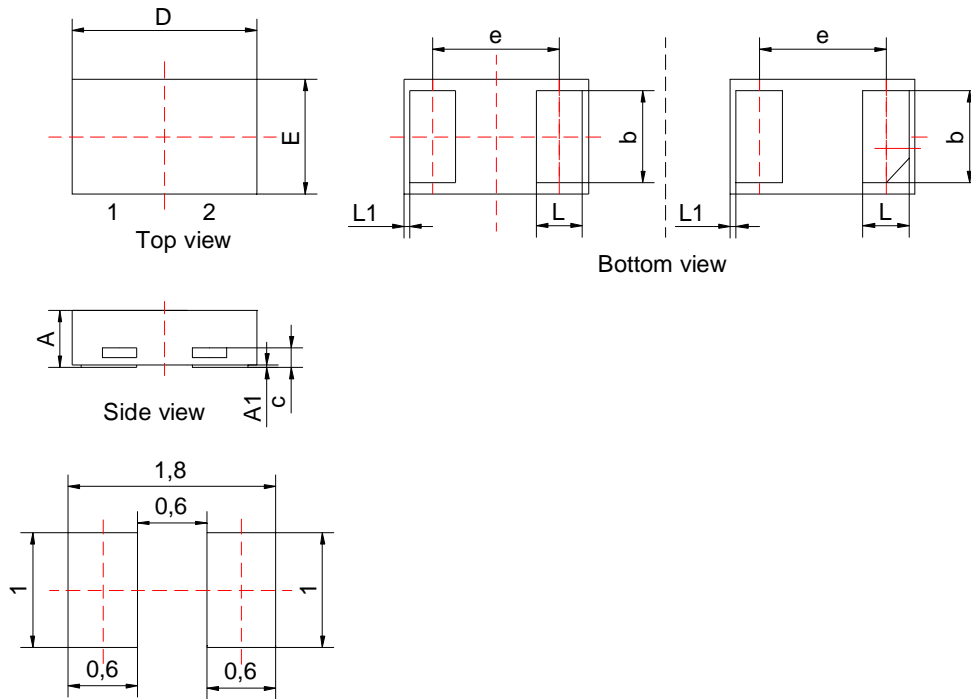
DFN1610-2L



PIN Configuration

ELECTRICAL CHARACTERISTICS (TA=25 °C)

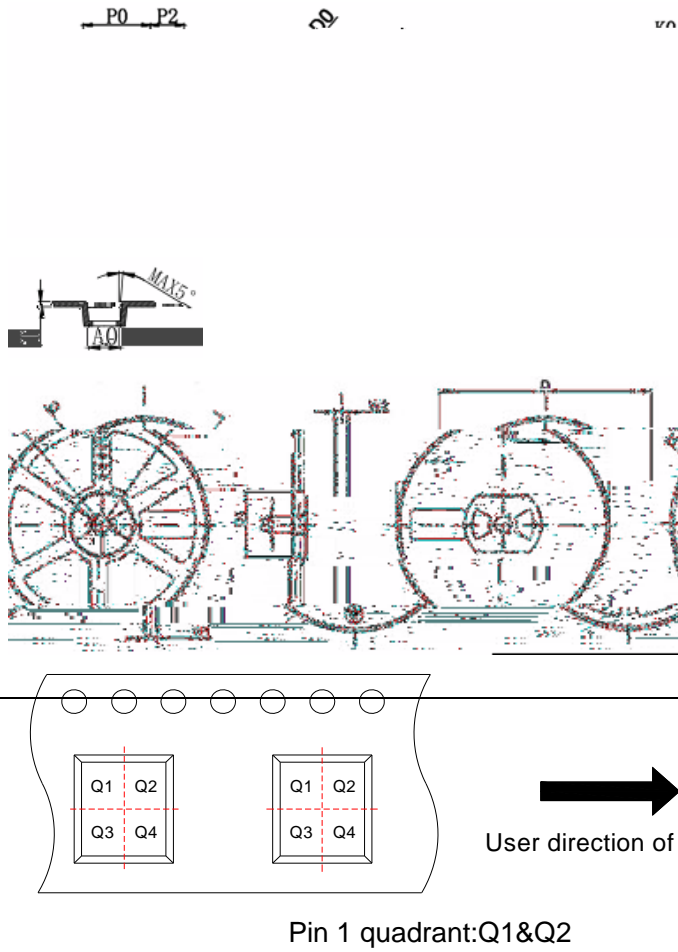
PACKAGE MECHANICAL DATA



Recommended Soldering Footprint

Symbol	Millimeter			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	0.45	0.50	0.55	0.018	0.020	0.022
A1	0.00	0.02	0.05	0.000	0.001	0.002
b	0.75	0.85	0.95	0.030	0.033	0.037
c	0.08	0.12	0.18	0.003	0.005	0.007
D	1.55	1.60	1.65	0.061	0.063	0.065
e	1.10BSC			0.043BSC		
E	0.95	1.00	1.05	0.037	0.039	0.041
L	0.35	0.40	0.45	0.014	0.016	0.018
L1	0.06BSC			0.002BSC		

TAPE AND REEL INFORMATION DFN1610-2L




Symbol	Millimeters	Inches
	Typ.	Typ.
A0	1.15	0.045
B0	1.75	0.069
K0	0.67	0.026
D0	1.55	0.061
P0	4.00	0.157
P1	4.00	0.157
P2	2.00	0.079
E	1.75	0.069
F	3.50	0.138
W	8.00	0.315
D	178	7.008
D1	54.40	2.142
D2	13.00	0.512
G	R78.00	R3.071

ORDERING INFORMATION

OUTLINE	Package	Reel Size	Quantity Per Reel
TAPING	DFN1610-2L	7 Inch	3,000 pcs

MARKINGCODE

Part Number	Marking Code
JEU05DP	<div style="display: flex; align-items: center; justify-content: center;"> Pin1 <div data-bbox="855 360 1099 517" style="border: 1px solid black; padding: 5px; margin: 0 10px;">  </div> Pin2 </div>

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