



Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth Chatsworth, CA 91311

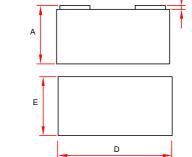
Phone: (818) 701-4933 (818) 701-4939

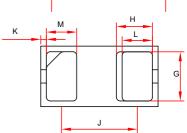
ESDBL5V0AE2

ESD Protection

Device

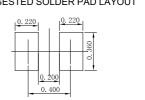
0201-B





DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	NOTE
A	0.011	0.013	0.275	0.345	
В	0.000	0.004	0.010	0.090	
D	0.022	0.026	0.570	0.670	
E	0.011	0.015	0.270	0.370	
G	0.009	0.012	0.225	0.295	
Н	0.007 REF.		0.190 REF.		
J	0.014	0.017	0.365	0.435	
K	0.001REF.		0.030REF.		
L	0.005	0.008	0.125	0.195	
M	0.005	0.008	0.125	0.195	

SUGGESTED SOLDER PAD LAYOUT



Features

- Bi-directional ESD protection of one line
- Low reverse stand-off voltage:5V
- Low leakage
- Low reverse clamping voltage
- IEC 61000-4-2 level 4 ESD protection
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information) Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Operating Junction & Storage Temperature: -55°C to +150°C

Parameter		Symbol	Limits	unit
IEC61000-4-2(ESD)	Air		±15	1/1/
	Contact		±8	KV
ESD Voltage per human body model			16	KV
ESD Voltage Machine Modele			400	V
Peak Pulse Power(8/20us Waveform)		Ppp	50	W
Peak Pulse Current(8/20us Waveform)		lpp	5	Α

Marking:



H = Device code

Front side

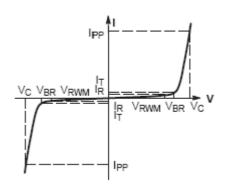
Pin Configuration





ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

Symbol	Parameter
I _{PP}	Maximum Reverse Peak Pulse Current
Vc	Clamping Voltage @ IPP
V _{RWM}	Working Peak Reverse Voltage
I _R	Maximum Reverse Leakage Current @ V _{RWM}
V_{BR}	Breakdown Voltage @ I _T
I _T	Test Current



Electrical characteristics per line@25 (unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Working Voltage(note1)	V_{RWM}				5	V
Breakdown Voltage	V_{BR}	I _t =1mA	5.8		8.0	٧
Reverse Leakage Current	I _R	V _{RWM} =5V			0.1	μA
Clamping Voltage(note2)	V _C	I _{PP} =5A			10	V
Total Capacitance	C _{tot}	V _R =0V f = 1MHz		10		pF

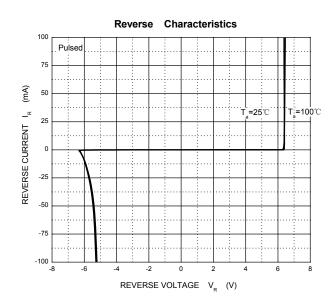
Note1: Other voltages available upon request.

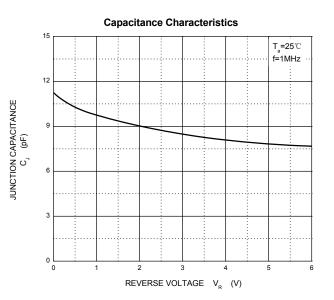
Note2: Non-repetitive current pulse 8/20us exponential decay waveform according to IEC61000-4-5.

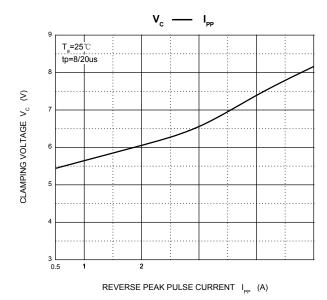
Revision: A 2 of 4 2016/02/07



Typical Characteristics









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Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

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