mail

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Micro Commercial Components



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

Features

- Wide Voltage Range Available
- Glass Package
- High Temp Soldering: 260°C for 10 Seconds At Terminals
- Surface Mount Package
- Marking : Cathode band denotes polarity
 Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -65°C to +175°C
- Storage Temperature: -65°C to +175°C
- 500 mWatt DC Power Dissipation
- Power Derating: 4.0mW/°C above 50°C
- Forward Voltage @ 200mA: 1.1 Volts
- Moisture Sensitivity Level 1



Typical Capacitance (pf) - versus - Zener voltage (V_Z)



Note:1.Lead in Glass Exemption Applied, see EU Directive Annex 5.

DL5221 THRU DL5267

500 mW Zener Diode 2.4 to 75 Volts



www.mccsemi.com

DL5221 thru DL5267



Micro Commercial Components

NUMBER No. 2.7. (B Ler. 2.7. (B Ler. 2.5.) L. (B V.) SUFFX ONLY DUS21 2.4 20 30 1200 100 1.0 -0.085 DUS22 2.5 2.0 30 1250 100 1.0 -0.085 DUS22 2.7 2.0 30 1300 75 1.0 -0.085 DUS22 2.7 2.0 30 1400 75 1.0 -0.085 DUS226 3.0 2.0 2.9 1600 2.6 1.0 -0.070 DUS226 3.8 2.0 2.8 1600 2.6 1.0 -0.085 DUS227 3.8 2.0 2.3 1900 1.0 1.0 -0.085 DUS230 4.7 2.0 19 1900 5.0 2.0 10030 DUS231 5.6 3.0 1.0 10055 1.0 10055 DUS232 5.6 3.0 7.0 1000 5.0 3.0	MCC PART	NOMINAL ZENER VOLTAGE V2 @ 121	TEST CURRENT I2T	MAXIMUM ZENER IMPEDANCE 'B' SUFFIX ONLY		MAXIMUM REVERSE LEAKAGE CURRENT		MAX. ZENER VOLTAGE TEMP COEFFICIENT 'B'
No. 15 MA OHHAS OHAS IA VOLTS % / C DLS221 2.4 2.5 20 30 1200 100 1.0 -0.085 DLS222 2.5 20 30 11300 75 1.0 -0.085 DLS224 2.8 20 30 11400 75 1.0 -0.085 DLS226 3.3 20 28 1600 25 1.0 -0.075 DLS227 3.6 20 24 1700 15 1.0 -0.085 DLS229 4.3 20 22 2000 5.0 1.0 -0.085 DLS230 4.7 20 17 1600 5.0 2.0 ±0.030 DLS231 5.1 20 7.0 1600 5.0 3.0 ±0.038 DLS232 8.0 20 7.0 1600 5.0 3.0 ±0.038 DLS233 8.0 20 7.0 1600	NUMBER			Z _{ZT} @ I _{ZT}	Z _{ZK} @I _{ZK} = 0.25mA	I _R (DVR	SUFFIX ONLY
DL522 2.6 20 30 1200 100 1.0 -0.085 DL522 2.7 20 30 1300 75 1.0 -0.086 DL522 2.8 2.0 30 1400 75 1.0 -0.080 DL522 3.0 2.0 2.9 1800 50 1.0 -0.076 DL522 3.0 2.0 2.4 1700 15 1.0 -0.076 DL522 3.6 2.0 2.4 1700 15 1.0 -0.060 DL522 3.6 2.0 2.3 1900 1.0 1.0 -0.060 DL523 4.7 2.0 19 1900 5.0 1.0 10.030 DL533 5.1 2.0 1.1 1600 5.0 3.0 +0.038 DL533 6.0 2.0 7.0 1600 5.0 3.0 +0.038 DL534 6.2 2.0 7.0 1600		VOLTS	mA	OHMS	OHMS	μA	VOLTS	% / °C
DL522 2.5 20 30 1280 100 1.0 -0.085 DL522 2.7 20 30 1300 75 1.0 -0.086 DL522 3.0 20 29 1600 50 1.0 -0.080 DL522 3.0 20 28 1600 25 1.0 -0.070 DL522 3.0 20 2.4 1700 15 1.0 -0.070 DL522 3.0 20 2.3 1900 1.0 1.0 -0.060 DL522 4.3 20 2.2 2000 5.0 2.0 :0.030 DL523 8.1 20 17 1800 5.0 2.0 :0.030 DL523 8.6 20 7.0 1800 5.0 3.0 +0.038 DL523 8.6 20 7.0 1800 5.0 3.0 +0.045 DL523 8.7 20 6.0 500 3.0 <th>DL5221</th> <th>2.4</th> <th>20</th> <th>30</th> <th>1200</th> <th>100</th> <th>1.0</th> <th>-0.085</th>	DL5221	2.4	20	30	1200	100	1.0	-0.085
015223 2.7 20 30 1300 75 1.0 -0.080 015226 3.0 20 29 1600 75 1.0 -0.080 015226 3.3 20 28 1600 25 1.0 -0.075 015227 3.8 20 24 1700 15 1.0 -0.065 015229 3.3 20 22 2000 5.0 1.0 -0.065 015220 4.3 20 22 2000 5.0 1.0 -0.055 015231 6.1 20 17 1600 5.0 2.0 -0.038 015232 6.6 20 7.0 1000 5.0 4.0 -0.046 015234 6.2 20 7.0 1000 5.0 4.0 -0.046 015235 6.8 20 5.0 1.0 -0.060 1.0 -0.060 015236 7.5 20 6.0 500	DI 5222	2.5	20	30	1250	100	1.0	-0.085
115224 2.8 2.0 3.0 1400 7.5 1.0 -0.080 DL5226 3.3 20 2.9 1600 50 1.0 -0.075 DL5227 3.8 20 2.8 1600 2.5 1.0 -0.070 DL5228 3.9 20 2.3 1700 1.5 1.0 -0.060 DL529 4.3 20 2.2 2000 5.0 1.0 -0.060 DL529 4.3 20 2.2 2000 5.0 1.0 -0.030 DL530 4.7 20 19 1900 5.0 2.0 +0.033 DL533 6.0 20 7.0 1600 5.0 3.5 +0.038 DL533 6.8 20 7.0 1600 5.0 3.0 +0.038 DL533 6.8 20 5.0 750 3.0 6.0 +0.058 DL533 8.7 20 8.0 600	DI 5223	27	20	30	1300	75	1.0	-0.080
015226 3.0 20 29 1600 50 1.0 -0.075 D15227 3.6 20 24 1700 15 1.0 -0.066 D15228 3.9 20 24 1700 15 1.0 -0.066 D15229 4.3 20 22 2000 5.0 1.0 -0.066 D15220 4.7 20 19 1900 5.0 2.0 :0.030 D15231 5.1 20 17 1600 5.0 2.0 :0.030 D15232 6.0 20 7.0 1600 6.0 3.0 +0.038 D15234 6.2 20 7.0 1600 6.0 4.0 +0.045 D15235 6.8 20 6.0 500 3.0 6.9 +0.062 D15236 7.5 20 6.0 500 3.0 6.9 +0.062 D15241 20 8.0 600 3.0 <	DI 5224	2.8	20	30	1400	75	1.0	-0.080
015226 3.3 20 28 1600 25 1.0 -0.070 015227 3.6 20 23 1900 10 1.0 -0.066 015228 3.9 20 23 1900 10 1.0 -0.066 015220 4.7 20 19 1900 5.0 1.0 -0.030 015231 5.1 20 17 1660 5.0 2.0 -0.030 015232 5.6 20 11 1660 5.0 3.0 +0.038 015234 6.2 20 7.0 1660 5.0 3.0 +0.038 015235 6.8 20 5.0 750 3.0 6.0 +0.058 015236 7.5 20 8.0 500 3.0 6.5 +0.062 015238 8.7 20 8.0 500 3.0 6.5 +0.062 015239 9.1 20 17 600 <td< th=""><th>DL5225</th><th>3.0</th><th>20</th><th>29</th><th>1600</th><th>50</th><th>1.0</th><th>-0.075</th></td<>	DL5225	3.0	20	29	1600	50	1.0	-0.075
018227 3.6 20 24 1700 16 1.0 0.065 DL5229 4.3 20 23 1900 10 1.0 .066 DL520 4.3 20 22 2000 5.0 1.0 .20.055 DL530 4.7 20 19 1900 5.0 2.0 .40.030 DL532 5.6 20 11 1600 5.0 3.0 +0.038 DL533 6.0 20 7.0 1600 5.0 3.5 +0.038 DL533 6.8 20 5.0 750 3.0 5.0 +0.045 DL533 6.8 20 5.0 750 3.0 6.0 +0.050 DL533 8.7 20 8.0 500 3.0 6.5 +0.065 DL533 8.7 20 8.0 500 3.0 6.5 +0.066 DL533 9.1 20 17 600 3.0	DL5226	3.3	20	28	1600	25	1.0	-0.070
D15228 3 9 20 23 1900 10 1.0 0.060 D15230 4.3 20 22 2000 5.0 1.0 ±0.055 D1531 5.1 20 17 1600 5.0 2.0 ±0.030 D1532 5.6 20 11 1600 5.0 3.0 ±0.038 D15324 6.2 20 7.0 1600 5.0 3.0 ±0.038 D15324 6.2 20 7.0 1600 5.0 4.0 ±0.045 D15324 6.2 20 7.0 1600 5.0 4.0 ±0.045 D15337 6.8 20 6.0 500 3.0 6.5 ±0.062 D15338 8.7 20 8.0 £00 3.0 6.5 ±0.062 D15339 9.1 20 10 £00 3.0 7.0 ±0.088 D1533 8.7 20 3.0 600 <td< th=""><th>DL5227</th><th>3.6</th><th>20</th><th>24</th><th>1700</th><th>15</th><th>1.0</th><th>-0.065</th></td<>	DL5227	3.6	20	24	1700	15	1.0	-0.065
D1529 4.3 20 22 2000 5.0 1.0 ±0.055 DL5231 6.1 20 19 1900 5.0 2.0 ±0.039 DL5232 5.6 20 11 1600 5.0 2.0 ±0.039 DL5233 6.0 20 7.0 1600 5.0 3.5 ±0.038 DL5234 6.2 20 7.0 1600 5.0 3.5 ±0.038 DL5235 6.8 20 5.0 750 3.0 5.0 ±0.050 DL5236 6.8 20 5.0 750 3.0 6.5 ±0.050 DL5237 8.2 20 8.0 500 3.0 6.5 ±0.065 DL5238 8.7 20 8.0 600 3.0 7.0 ±0.066 DL5241 11 20 17 600 3.0 8.0 ±0.076 DL5241 11 20 20 30	DL5228	3.9	20	23	1900	10	1.0	-0.060
DL323 4.7 20 19 1900 5.0 2.0 ±0.030 DL522 5.6 20 11 1600 5.0 3.0 ±0.033 DL523 6.6 20 7.0 1600 5.0 3.6 ±0.038 DL523 6.6 20 7.0 1000 5.0 4.0 ±0.045 DL523 6.8 20 5.0 750 3.0 6.0 ±0.059 DL533 7.5 20 6.0 500 3.0 6.5 ±0.065 DL533 8.7 20 8.0 600 3.0 6.5 ±0.065 DL533 8.7 20 10 600 3.0 8.0 ±0.075 DL534 11 20 22 600 2.0 8.4 ±0.076 DL5241 11 20 22 600 1.0 9.1 ±0.079 DL5243 13 9.0 15 600 0.1	DL5229	4.3	20	22	2000	5.0	1.0	±0.055
DL521 5.1 20 17 1600 5.0 2.0 ±0.030 DL5233 6.0 20 7.0 1600 5.0 3.0 ±0.038 DL5234 6.2 20 7.0 1600 5.0 3.5 ±0.038 DL5245 6.8 20 7.0 1000 5.0 4.0 ±0.045 DL5235 6.8 20 5.0 750 3.0 5.0 ±0.050 DL5336 7.5 20 6.0 500 3.0 6.5 ±0.062 DL5337 8.2 20 8.0 600 3.0 6.5 ±0.062 DL5339 9.1 20 10 600 3.0 8.0 ±0.075 DL544 11 20 22 600 2.0 8.4 ±0.076 DL544 14 9.0 15 600 0.1 10 ±0.077 DL544 14 9.0 15 600 0.1	DL5230	4.7	20	19	1900	5.0	2.0	±0.030
DL522 5.6 2.0 11 1600 5.0 3.0 +0.038 DL5234 6.0 2.0 7.0 1600 5.0 3.5 +0.038 DL5234 6.2 2.0 7.0 1000 5.0 3.5 +0.045 DL5236 6.8 2.0 5.0 750 3.0 6.0 +0.050 DL5236 7.5 2.0 8.0 500 3.0 6.5 +0.058 DL5238 8.7 2.0 8.0 500 3.0 6.5 +0.062 DL5238 8.7 2.0 8.0 600 3.0 6.5 +0.065 DL5240 10 2.0 17 600 3.0 8.0 +0.075 DL5241 11 2.0 2.2 600 2.0 8.4 +0.076 DL5241 11 2.0 3.0 600 1.0 9.1 +0.077 DL5241 12 2.0 3.0 600	DL5231	5.1	20	17	1600	5.0	2.0	±0.030
DL523 6.0 20 7.0 1600 5.0 3.5 +0.038 DL5235 6.8 20 7.0 1000 5.0 4.0 +0.045 DL5236 6.8 20 5.0 750 3.0 5.0 +0.050 DL5237 8.2 20 8.0 500 3.0 6.5 +0.062 DL5238 8.7 20 8.0 600 3.0 6.5 +0.062 DL5239 9.1 20 10 600 3.0 7.0 +0.068 DL5240 10 20 17 600 3.0 8.0 +0.075 DL5241 11 20 22 600 2.0 8.4 +0.076 DL5242 12 20 30 600 0.1 10 +0.082 DL5244 14 9.0 15 600 0.1 11 +0.079 DL5244 14 9.0 15 600 0.1 <th>DL5232</th> <th>5.6</th> <th>20</th> <th>11</th> <th>1600</th> <th>5.0</th> <th>3.0</th> <th>+0.038</th>	DL5232	5.6	20	11	1600	5.0	3.0	+0.038
DL523 6.2 20 7.0 1000 5.0 4.0 +0.44 DL5235 6.8 20 5.0 750 3.0 6.0 +0.050 DL5236 7.5 20 6.0 500 3.0 6.0 +0.058 DL5237 8.2 20 8.0 500 3.0 6.5 +0.065 DL5238 8.7 20 8.0 600 3.0 6.5 +0.065 DL5239 9.1 20 10 600 3.0 7.0 +0.068 DL5240 10 20 17 600 3.0 8.0 +0.076 DL5241 11 20 22 600 1.0 9.1 +0.079 DL5245 15 8.5 16 600 0.1 10 +0.082 DL5245 15 8.5 16 600 0.1 11 +0.082 DL5246 15 8.5 16 600 0.1 <th>DL5233</th> <th>6.0</th> <th>20</th> <th>7.0</th> <th>1600</th> <th>5.0</th> <th>3.5</th> <th>+0.038</th>	DL5233	6.0	20	7.0	1600	5.0	3.5	+0.038
DL523 6.8 20 5.0 750 3.0 5.0 +0.050 DL5236 7.5 20 6.0 500 3.0 6.0 +0.058 DL5237 8.2 20 8.0 500 3.0 6.5 +0.062 DL5238 8.7 20 8.0 600 3.0 6.5 +0.068 DL5239 9.1 20 10 600 3.0 8.0 +0.075 DL524 11 20 22 600 2.0 8.4 +0.076 DL524 12 20 30 600 1.0 9.1 +0.077 DL524 13 9.5 13 600 0.1 10 +0.082 DL5245 15 8.5 16 600 0.1 11 +0.082 DL5246 16 7.8 17 600 0.1 14 +0.084 DL5247 17 7.4 19 600 0.1	DL5234	6.2	20	7.0	1000	5.0	4.0	+0.045
DL528 7.5 20 6.0 500 3.0 6.0 +0.058 DL5237 8.2 20 8.0 500 3.0 6.5 +0.065 DL5238 8.7 20 8.0 600 3.0 6.5 +0.065 DL529 9.1 20 10 600 3.0 7.0 +0.068 DL5240 10 20 17 600 3.0 8.0 +0.075 DL5241 11 20 22 600 2.0 8.4 +0.076 DL5243 13 9.5 13 600 0.1 10 +0.079 DL5244 14 9.0 15 600 0.1 11 +0.082 DL5245 15 8.5 16 600 0.1 13 +0.079 DL5244 16 7.8 17 600 0.1 11 +0.081 DL5246 18 7.0 21 600 0.1	DL5235	6.8	20	5.0	750	3.0	5.0	+0.050
DL227 8.2 20 8.0 500 3.0 6.5 +0.062 DL5238 8.7 20 8.0 600 3.0 6.5 +0.065 DL5249 9.1 20 10 600 3.0 7.0 +0.068 DL5241 11 20 22 600 2.0 8.4 +0.076 DL5242 12 20 30 600 1.0 9.1 +0.077 DL5244 14 9.0 15 600 0.1 10 +0.082 DL5245 15 8.5 16 600 0.1 11 +0.082 DL5246 16 7.8 17 600 0.1 11 +0.083 DL5248 18 7.0 21 600 0.1 14 +0.084 DL5249 19 6.6 23 600 0.1 14 +0.086 DL5249 22 5.6 29 600 0.1	DL5236	7.5	20	6.0	500	3.0	6.0	+0.058
DL528 87 20 8.0 600 3.0 6.5 +0.065 DL5240 10 20 10 600 3.0 7.0 +0.068 DL5241 11 20 22 600 2.0 8.4 +0.075 DL5242 12 20 30 600 1.0 9.1 +0.077 DL5243 13 9.5 13 600 0.1 10 +0.079 DL5245 15 8.5 16 600 0.1 11 +0.082 DL5245 15 8.5 16 600 0.1 11 +0.082 DL5246 16 7.8 17 600 0.1 14 +0.081 DL5248 18 7.0 21 600 0.1 14 +0.086 DL5249 19 6.6 23 600 0.1 17 +0.087 DL5249 19 6.6 29 600 0.1	DL5237	8.2	20	8.0	500	3.0	6.5	+0.062
DL529 9,1 20 10 600 3.0 7.0 +0.068 DL5240 10 20 17 600 3.0 8.0 +0.075 DL5241 11 20 22 600 2.0 8.4 +0.076 DL5242 12 20 30 600 1.0 9.1 +0.077 DL5243 13 9.5 13 600 0.1 10 +0.079 DL5245 15 8.5 16 600 0.1 10 +0.082 DL5245 16 6 7.8 17 600 0.1 12 +0.083 DL5246 16 7.7 19 600 0.1 13 +0.084 DL5247 17 7.4 19 600 0.1 14 +0.085 DL5249 19 6.6 23 600 0.1 14 +0.086 DL5250 20 6.2 25 600 <t< th=""><th>DL5238</th><th>8.7</th><th>20</th><th>8.0</th><th>600</th><th>3.0</th><th>6.5</th><th>+0.065</th></t<>	DL5238	8.7	20	8.0	600	3.0	6.5	+0.065
DL5240 10 20 17 600 3.0 8.0 +0.075 DL5241 11 20 22 600 2.0 8.4 +0.076 DL5242 12 20 30 600 1.0 9.1 +0.077 DL5243 13 9.5 13 600 0.5 9.9 +0.079 DL5244 14 9.0 15 600 0.1 10 +0.082 DL5245 15 8.5 16 600 0.1 11 +0.082 DL5246 16 7.8 17 600 0.1 13 +0.084 DL5247 17 7.4 19 600 0.1 14 +0.086 DL5249 19 6.6 23 600 0.1 15 +0.086 DL5250 20 6.2 25 600 0.1 17 +0.087 DL5251 22 5.6 29 600 0.1	DL5239	9.1	20	10	600	3.0	7.0	+0.068
DL5241 11 20 22 600 2.0 8.4 +0.076 DL5242 12 20 30 600 1.0 9.1 +0.077 DL5243 13 9.5 13 600 0.5 9.9 +0.079 DL5244 14 9.0 15 600 0.1 10 +0.082 DL5245 15 8.5 16 600 0.1 11 +0.082 DL5246 16 7.8 17 600 0.1 12 +0.083 DL5247 17 7.4 19 600 0.1 14 +0.086 DL5248 18 7.0 21 600 0.1 14 +0.086 DL5249 20 6.6 23 600 0.1 17 +0.086 DL5250 20 6.6 29 600 0.1 18 +0.088 DL5252 24 5.2 33 600 0.1	DL5240	10	20	17	600	3.0	8.0	+0.075
DL5242 12 20 30 600 1.0 9.1 +0.077 DL5243 13 9.5 13 600 0.5 9.9 +0.079 DL5244 14 9.0 15 660 0.1 10 +0.082 DL5245 15 8.5 16 600 0.1 11 +0.082 DL5246 16 7.8 17 600 0.1 13 +0.084 DL5247 17 7.4 19 600 0.1 14 +0.085 DL5248 18 7.0 21 600 0.1 14 +0.086 DL5249 19 6.6 23 600 0.1 15 +0.086 DL5251 22 5.6 29 600 0.1 17 +0.087 DL5252 24 5.2 33 600 0.1 19 +0.089 DL5254 27 4.6 41 600 0.1	DL5241	11	20	22	600	2.0	8.4	+0.076
DL5243 13 600 0.5 9.9 +0.079 DL5244 14 9.0 15 600 0.1 10 +0.082 DL5245 15 8.5 16 600 0.1 11 +0.082 DL5246 16 7.8 17 600 0.1 12 +0.083 DL5247 17 7.4 19 600 0.1 14 +0.084 DL5248 18 7.0 21 600 0.1 14 +0.086 DL5249 19 6.6 23 600 0.1 17 +0.086 DL525 20 6.2 25 600 0.1 17 +0.086 DL525 22 5.2 33 600 0.1 18 +0.088 DL5254 25 5.0 35 600 0.1 21 +0.091 DL5255 28 4.5 44 600 0.1 21 +0.091 </th <th>DL5242</th> <th>12</th> <th>20</th> <th>30</th> <th>600</th> <th>1.0</th> <th>9.1</th> <th>+0.077</th>	DL5242	12	20	30	600	1.0	9.1	+0.077
DL5244 14 9.0 15 600 0.1 10 +0.082 DL5245 15 8.5 16 600 0.1 11 +0.082 DL5246 16 7.8 17 600 0.1 12 +0.083 DL5247 17 7.4 19 600 0.1 13 +0.084 DL5248 18 7.0 21 600 0.1 14 +0.086 DL5249 19 6.6 23 600 0.1 14 +0.086 DL5250 20 6.2 25 600 0.1 17 +0.087 DL5254 22 5.6 29 600 0.1 18 +0.088 DL5254 24 5.2 33 600 0.1 19 +0.089 DL5254 27 4.6 41 600 0.1 21 +0.091 DL5255 28 4.5 44 600 0.1	DL5243	13	9.5	13	600	0.5	9.9	+0.079
DL5245 15 8.5 16 600 0.1 11 +0.082 DL5246 16 7.8 17 600 0.1 12 +0.083 DL5247 17 7.4 19 600 0.1 13 +0.084 DL5248 18 7.0 21 600 0.1 14 +0.085 DL5249 19 6.6 23 600 0.1 14 +0.086 DL5250 20 6.6 23 600 0.1 15 +0.086 DL5251 22 5.6 29 600 0.1 18 +0.087 DL5252 24 5.2 33 600 0.1 19 +0.089 DL5254 27 4.6 41 600 0.1 21 +0.090 DL5254 28 4.5 44 600 0.1 21 +0.091 DL5255 28 36 3.4 70 700 <	DL5244	14	9.0	15	600	0.1	10	+0.082
DL5246 16 7.8 17 600 0.1 12 +0.083 DL5247 17 7.4 19 600 0.1 13 +0.084 DL5248 18 7.0 21 600 0.1 14 +0.085 DL5249 19 6.6 23 600 0.1 14 +0.086 DL5250 20 6.2 25 600 0.1 15 +0.086 DL5252 24 5.2 33 600 0.1 18 +0.087 DL525 22 5.6 29 600 0.1 18 +0.087 DL5254 27 4.6 41 600 0.1 21 +0.090 DL5254 27 4.6 41 600 0.1 21 +0.091 DL5256 30 4.2 49 600 0.1 23 +0.091 DL5256 30 3.4 70 700 0.1 <	DL5245	15	8.5	16	600	0.1	11	+0.082
DL5247 17 7.4 19 600 0.1 13 +0.084 DL5248 18 7.0 21 600 0.1 14 +0.085 DL5249 19 6.6 23 600 0.1 14 +0.086 DL5250 20 6.2 25 600 0.1 15 +0.086 DL5251 22 5.6 29 600 0.1 17 +0.087 DL5252 24 5.2 33 600 0.1 18 +0.089 DL5254 27 4.6 41 600 0.1 21 +0.090 DL5254 27 4.6 41 600 0.1 21 +0.091 DL5256 28 4.5 44 600 0.1 23 +0.091 DL5256 30 4.2 49 600 0.1 27 +0.093 DL5258 36 3.4 70 700 0.1	DL5246	16	7.8	17	600	0.1	12	+0.083
DL5248 18 7.0 21 600 0.1 14 +0.085 DL5250 20 6.6 23 600 0.1 14 +0.086 DL5250 20 6.2 25 600 0.1 15 +0.086 DL5251 22 5.6 29 600 0.1 17 +0.087 DL5252 24 5.2 33 600 0.1 18 +0.086 DL5254 27 4.6 41 600 0.1 19 +0.089 DL5255 28 4.5 44 600 0.1 21 +0.091 DL5256 30 4.2 49 600 0.1 23 +0.091 DL5257 33 3.8 58 700 0.1 25 +0.092 DL5259 39 3.2 80 800 0.1 30 +0.094 DL5259 39 3.2 80 800 0.1	DL5247	17	7.4	19	600	0.1	13	+0.084
DL5249 19 6.6 23 600 0.1 14 +0.086 DL5250 20 6.2 25 600 0.1 15 +0.086 DL5251 22 5.6 29 600 0.1 17 +0.087 DL5252 24 5.2 33 600 0.1 18 +0.088 DL5253 25 5.0 35 600 0.1 19 +0.089 DL5254 27 4.6 41 600 0.1 21 +0.091 DL5255 28 4.5 44 600 0.1 23 +0.091 DL5256 30 4.2 49 600 0.1 23 +0.091 DL5257 33 3.8 58 700 0.1 27 +0.092 DL5258 39 3.2 80 800 0.1 30 +0.094 DL5267 33 3.2 80 800 0.1	DL5248	18	7.0	21	600	0.1	14	+0.085
DL5250 20 6.2 25 600 0.1 15 +0.086 DL5251 22 5.6 29 600 0.1 17 +0.087 DL5252 24 5.2 33 600 0.1 18 +0.088 DL5253 25 5.0 35 600 0.1 19 +0.089 DL5254 27 4.6 41 600 0.1 21 +0.090 DL5255 28 4.5 44 600 0.1 23 +0.091 DL5256 30 4.2 49 600 0.1 23 +0.091 DL5257 33 3.8 58 700 0.1 27 +0.092 DL5258 366 3.4 70 700 0.1 27 +0.093 DL5260 43 3.0 93 900 0.1 33 +0.096 DL5262 51 2.5 125 1100 0.1	DL5249	19	6.6	23	600	0.1	14	+0.086
DL5251 22 5.6 29 600 0.1 17 +0.087 DL5252 24 5.2 33 600 0.1 18 +0.087 DL5253 25 5.0 35 600 0.1 18 +0.089 DL5254 27 4.6 41 600 0.1 21 +0.090 DL5256 28 4.5 44 600 0.1 21 +0.091 DL5256 30 4.2 49 600 0.1 23 +0.091 DL5257 33 3.8 58 700 0.1 27 +0.092 DL5258 36 3.4 70 700 0.1 27 +0.094 DL5260 43 3.0 93 900 0.1 33 +0.095 DL5261 47 2.7 105 1000 0.1 36 +0.095 DL5262 51 2.5 125 1100 0.1	DL5250	20	6.2	25	600	0.1	15	+0.086
DL5252 24 5.2 33 600 0.1 18 +0.088 DL5253 25 5.0 35 600 0.1 19 +0.089 DL5254 27 4.6 41 600 0.1 21 +0.090 DL5255 28 4.5 44 600 0.1 21 +0.091 DL5256 30 4.2 49 600 0.1 23 +0.091 DL5257 33 3.8 58 700 0.1 25 +0.092 DL5258 366 3.4 70 700 0.1 27 +0.093 DL5259 39 3.2 80 800 0.1 30 +0.094 DL5260 43 3.0 93 900 0.1 36 +0.095 DL5261 47 2.7 105 1000 0.1 39 +0.096 DL5262 51 2.5 125 1100 0.1	DL5251	22	5.6	29	600	0.1	17	+0.087
DL5253 25 5.0 35 600 0.1 19 +0.089 DL5254 27 4.6 41 600 0.1 21 +0.090 DL5255 28 4.5 44 600 0.1 21 +0.091 DL5256 30 4.2 49 600 0.1 23 +0.091 DL5257 33 3.8 58 700 0.1 25 +0.092 DL5258 36 3.4 70 700 0.1 27 +0.093 DL5259 39 3.2 80 800 0.1 30 +0.094 DL5260 43 3.0 93 900 0.1 33 +0.095 DL5261 47 2.7 105 1000 0.1 36 +0.095 DL5262 51 2.5 125 1100 0.1 43 +0.096 DL5263 56 2.2 150 1300 0.1	DL5252	24	5.2	33	600	0.1	18	+0.088
DL5254 27 4.6 41 600 0.1 21 +0.090 DL5255 28 4.5 44 600 0.1 21 +0.091 DL5256 30 4.2 49 600 0.1 23 +0.091 DL5257 33 3.8 58 700 0.1 25 +0.092 DL5258 36 3.4 70 700 0.1 27 +0.093 DL5259 39 3.2 80 800 0.1 30 +0.094 DL5260 43 3.0 93 900 0.1 33 +0.095 DL5261 47 2.7 105 1000 0.1 36 +0.095 DL5262 51 2.5 125 1100 0.1 39 +0.096 DL5263 56 2.2 150 1300 0.1 43 +0.096 DL5264 60 2.1 170 1400 0.1	DL5253	25	5.0	35	600	0.1	19	+0.089
DL5255 28 4.3 44 600 0.1 21 +0.091 DL5256 30 4.2 49 600 0.1 23 +0.091 DL5257 33 3.8 58 700 0.1 25 +0.092 DL5258 36 3.4 70 700 0.1 27 +0.093 DL5259 39 3.2 80 800 0.1 30 +0.094 DL5260 43 3.0 93 900 0.1 33 +0.095 DL5261 47 2.7 105 1000 0.1 36 +0.095 DL5262 51 2.5 125 1100 0.1 39 +0.096 DL5263 56 2.2 150 1300 0.1 43 +0.096 DL5264 60 2.1 170 1400 0.1 46 +0.097 DL5265 62 2.0 185 1400 0.1 <th>DL5254</th> <th>21</th> <th>4.6</th> <th>41</th> <th>600</th> <th>0.1</th> <th>21</th> <th>+0.090</th>	DL5254	21	4.6	41	600	0.1	21	+0.090
DL5250 30 4.2 49 600 0.1 23 40.091 DL5257 33 3.8 58 700 0.1 25 40.091 DL5258 36 3.4 70 700 0.1 27 40.093 DL5259 39 3.2 80 800 0.1 30 +0.094 DL5260 43 3.0 93 900 0.1 33 +0.095 DL5261 47 2.7 105 1000 0.1 36 +0.095 DL5262 51 2.5 125 1100 0.1 39 +0.096 DL5263 56 2.2 150 1300 0.1 43 +0.096 DL5264 60 2.1 170 1400 0.1 46 +0.097 DL5265 62 2.0 185 1400 0.1 47 +0.097 DL5266 68 1.8 230 1600 0.1 </th <th>DL0200</th> <th>20</th> <th>4.5</th> <th>44</th> <th>600</th> <th>0.1</th> <th>21</th> <th>+0.091</th>	DL0200	20	4.5	44	600	0.1	21	+0.091
DL5257 3.6 3.6 3.6 100 0.1 2.3 +0.092 DL5258 3.6 3.4 70 700 0.1 2.7 +0.093 DL5259 39 3.2 80 800 0.1 30 +0.094 DL5260 43 3.0 93 900 0.1 33 +0.095 DL5261 47 2.7 105 1000 0.1 36 +0.095 DL5262 51 2.5 125 1100 0.1 39 +0.096 DL5263 56 2.2 150 1300 0.1 43 +0.096 DL5264 60 2.1 170 1400 0.1 46 +0.097 DL5265 62 2.0 185 1400 0.1 47 +0.097 DL5266 68 1.8 230 1600 0.1 52 +0.097 DL5267 75 1.7 270 1700 <t< th=""><th>DL5250</th><th>30</th><th>4.2</th><th>49 50</th><th>700</th><th>0.1</th><th>23</th><th>+0.091</th></t<>	DL5250	30	4.2	49 50	700	0.1	23	+0.091
DL5259 39 3.2 80 800 0.1 27 +0.094 DL5259 39 3.2 80 800 0.1 30 +0.094 DL5260 43 3.0 93 900 0.1 33 +0.095 DL5261 47 2.7 105 1000 0.1 36 +0.095 DL5262 51 2.5 125 1100 0.1 39 +0.096 DL5263 56 2.2 150 1300 0.1 43 +0.096 DL5264 60 2.1 170 1400 0.1 46 +0.097 DL5265 62 2.0 185 1400 0.1 47 +0.097 DL5266 68 1.8 230 1600 0.1 52 +0.097 DL5267 75 1.7 270 1700 0.1 56 +0.098	DL5257	36	3.0	70	700	0.1	23	+0.092
DL5260 43 3.2 60 600 0.1 30 +0.094 DL5260 43 3.0 93 900 0.1 33 +0.095 DL5261 47 2.7 105 1000 0.1 36 +0.095 DL5262 51 2.5 125 1100 0.1 39 +0.096 DL5263 56 2.2 150 1300 0.1 43 +0.096 DL5264 60 2.1 170 1400 0.1 46 +0.097 DL5265 62 2.0 185 1400 0.1 47 +0.097 DL5266 68 1.8 230 1600 0.1 52 +0.097 DL5267 75 1.7 270 1700 0.1 56 +0.098	DL5250	30	3.4	70	700	0.1	27	+0.093
DL5261 47 3.0 33 300 0.1 33 +0.095 DL5261 47 2.7 105 1000 0.1 36 +0.095 DL5262 51 2.5 125 1100 0.1 39 +0.096 DL5263 56 2.2 150 1300 0.1 43 +0.096 DL5264 60 2.1 170 1400 0.1 46 +0.097 DL5265 62 2.0 185 1400 0.1 52 +0.097 DL5266 68 1.8 230 1600 0.1 52 +0.097 DL5267 75 1.7 270 1700 0.1 56 +0.098	DL5260	43	3.0	03	800	0.1	30	+0.094
DL5262 51 2.7 100 1000 0.1 30 +0.096 DL5263 56 2.2 125 1100 0.1 39 +0.096 DL5263 56 2.2 150 1300 0.1 43 +0.096 DL5264 60 2.1 170 1400 0.1 46 +0.097 DL5265 62 2.0 185 1400 0.1 52 +0.097 DL5266 68 1.8 230 1600 0.1 52 +0.097 DL5267 75 1.7 270 1700 0.1 56 +0.098	DL 5261	43	2.0	105	1000	0.1	36	+0.095
DL5263 56 2.2 150 1100 0.1 43 +0.096 DL5264 60 2.1 170 1400 0.1 46 +0.097 DL5265 62 2.0 185 1400 0.1 52 +0.097 DL5266 68 1.8 230 1600 0.1 52 +0.097 DL5267 75 1.7 270 1700 0.1 56 +0.098	DL 5262	51	2.7	125	1100	0.1	39	+0.096
DL5264 60 2.1 100 1000 0.1 40 10.097 DL5265 62 2.0 185 1400 0.1 47 +0.097 DL5266 68 1.8 230 1600 0.1 52 +0.097 DL5267 75 1.7 270 1700 0.1 56 +0.098	DL 5263	56	2.0	150	1300	0.1	43	+0.096
DL5265 62 2.0 185 1400 0.1 47 +0.097 DL5266 68 1.8 230 1600 0.1 52 +0.097 DL5267 75 1.7 270 1700 0.1 56 +0.098	DI 5264	60	2.2	170	1400	0.1	46	+0.097
DL5266 68 1.8 230 1600 0.1 52 +0.097 DL5267 75 1.7 270 1700 0.1 56 +0.098	DI 5265	62	2.0	185	1400	0.1	47	+0.097
DL5267 75 1.7 270 1700 0.1 56 +0.098	DL5266	68	1.8	230	1600	0.1	52	+0.097
	DL5267	75	1.7	270	1700	0.1	56	+0.098

NOTE 1: Table as shown lists type numbers, which indicate a tolerance of ±20% with guaranteed limits on only Vz, In, and VF. Devices with guaranteed limits on all six parameters are indicated by suffix "A" for ±10%, "B" for ±5%, "C" for ±2% tolerance NOTE 2: The electrical characteristics are measured after allowing the device to stabilize for 20 seconds.

NOTE 3: Temperature coefficient (\dot{a}_{VZ}). Test conditions for temperature coefficient are as follows:

- a.
 - l_{2T} = 7.5mA, T₁ = 25°C T₂ = 125°C (DL5221 thru DL5242) l_{2T} = Rated l_{2T} , T₁ = 25°C, T₂ = 125°C (DL5243 thru DL5267) b.

Device to be temperature stabilized with current applied prior to reading breakdown voltage at the specified ambient temperature.

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DL5221 thru DL5267





Characteristics (T_j=25 $^{\circ}$ C unless otherwise specified)



Figure 2. Zener Voltage versus Zener Current – Vz=15 thru 30 Volts

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DL5221 thru DL5267





Characteristics (T_j=25 $^{\circ}$ C unless otherwise specified)





Figure 4. Thermal resistance from junction to ambient as a function of pulse duration

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Ordering Information :

Device	Packing		
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel		

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