





Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4933 DL5918B THRU DL5942B

Features

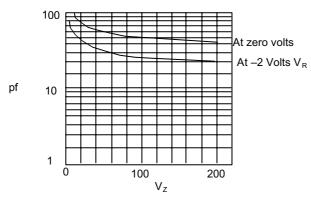
- Wide Voltage Range Available
- Glass Package
- High Temp Soldering: 260°C for 10 Seconds At Terminals
- Marking : Cathode band.
- Moisture Sensitivity Level 1

1.5 Watt Zener Diode 5.1 to 51 Volts

Maximum Ratings

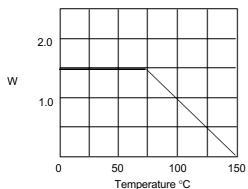
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- 1.5 Watt DC Power Dissipation
- Power Derating: 20 mW/°C above 75°C
- Forward Voltage @ 200mA: 1.2 Volts

Figure 1 - Typical Capacitance



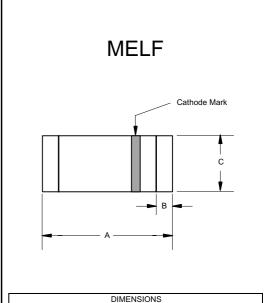
Typical Capacitance (pf) - versus - Zener voltage (Vz)

Figure 2 - Derating Curve

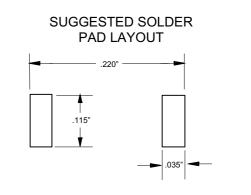


Power Dissipation (W) - Versus - Ambient Temperature °C

Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 7(C)-I.



DIMENSIONS								
	INCHES		MM					
DIM	MIN	MAX	MIN	MAX	NOTE			
Α	.190	.205	4.80	5.20				
В		.022		.55	Nominal			
С	.095	.105	2.40	2.67	Ø			



DL5918B thru DL5942B



ELECTRICAL CHARACTERISTICS @25°C

Micro Commercial Components

MCC PART NUMBER	ZENER VOLTAGE V _Z	TEST CURRENT I _{ZT}	MAXIMUM DYNAMIC IMPEDANCE Z _{ZT} @ I _{ZT}	KNEE CURRENT I _{ZK}	KNEE IMPEDANCE Z _{ZK}	MAXIMUM REVERSE CURRENT I _R	REVERSE VOLTAGE V _R	MAXIMUM DC CURRENT I _{ZM}
NONBLIX	VOLTS	mA	OHMS	mA	OHMS	uA	VOLTS	mA
DL5918B	5.1	73.5	4.0	1.0	350	5.0	2.0	294
DL5919B	5.6	66.9	2.0	1.0	250	5.0	3.0	267
DL5920B	6.2	60.5	2.0	1.0	200	5.0	4.0	241
DL5921B	6.8	55.1	2.5	1.0	200	5.0	5.2	220
DL5922B	7.5	50	3.0	0.5	400	5.0	6.0	200
DL5923B	8.2	45.7	3.5	0.5	400	5.0	6.5	182
DL5924B	9.1	41.2	4.0	0.5	500	5.0	7.0	164
DL5925B	10	37.5	4.5	0.25	500	5.0	8.0	150
DL5926B	11	34.1	5.5	0.25	550	1.0	8.4	125
DL5927B	12	31.2	6.5	0.25	550	1.0	9.1	125
DL5928B	13	28.8	7.0	0.25	550	1.0	9.9	115
DL5929B	15	25	9.0	0.25	600	1.0	11.4	100
DL5930B	16	23.4	10	0.25	600	1.0	12.2	93
DL5931B	18	20.8	12	0.25	650	1.0	13.7	83
DL5932B	20	18.7	14	0.25	650	1.0	15.2	75
DL5933B	22	17	17.5	0.25	650	1.0	16.7	68
DL5934B	24	15.6	19	0.25	700	1.0	18.2	62
DL5935B	27	13.9	23	0.25	700	1.0	20.6	55
DL5936B	30	12.5	28	0.25	750	1.0	22.8	50
DL5937B	33	11.4	33	0.25	800	1.0	25.1	45
DL5938B	36	10.4	38	0.25	850	1.0	27.4	41
DL5939B	39	9.6	45	0.25	900	1.0	29.7	38
DL5940B	43	8.7	53	0.25	950	1.0	32.7	34
DL5941B	47	8.0	67	0.25	1000	1.0	35.8	31
DL5942B	51	7.3	70	0.25	1100	1.0	38.8	29

 $oldsymbol{Note}$ 1: Suffix B indicates a 5% tolerance on nominal V_Z , Suffix C denotes a 2% tolerance.

- 2: Zener voltage(V_Z) measured at $T_L = 30^{\circ}C$. Voltage measurement to be performed 20 seconds after application of DC current.
- 3: The Zener impedance is derived from the 60 Hz ac voltage, which results when an ac current having an rms value equal to 10% of the DC Zener current(I_{ZT} or I_{ZK}) is superimposed on I_{ZT} or I_{ZK} .



Ordering Information:

Device	Packing		
Part Number-TP	Tape&Reel: 5Kpcs/Reel		

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