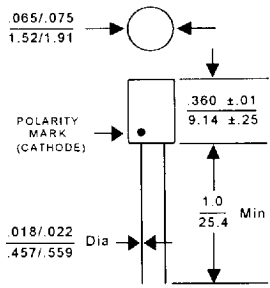
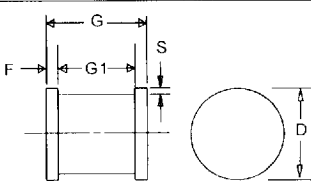


DOUBLE ENDED ZENER DIODES, C1 CAN

400mW	Minimum Zener Voltage at I_{ZT}	Nominal Zener Voltage at I_{ZT}	Maximum Zener Voltage at I_{ZT}	Zener Test Current	Maximum Reverse Leakage Current			Maximum Zener Current	Package Quantities	Outline
	V_Z (V)	V_Z (V)	V_Z (V)	I_{ZT} (uA)	V_R (Volts)	$T_A=25^{\circ}\text{C}$	$T_A=100^{\circ}\text{C}$	I_{ZM} Max (mA)	Bulk/Reel	Inches/millimeters
						I_{R1} (uA)	I_{R2} (uA)			
1N225	7.50	8.75	7.50	200	6.8	0.5	5.0	15.0	250	
1N226	9.00	10.50	9.00		8.2			12.5		
1N227	11.00	12.75	11.00		10.0			10.5		
1N228	13.50	15.75	13.50		12.0			8.5		
1N229	17.00	19.00	17.00		15.0			7.0		
1N225A	8.31	8.75	8.31		6.8			15.0		
1N226A	9.48	10.50	9.48		8.2			12.5		
1N227A	12.20	12.75	12.20		10.0			10.5		
1N228A	15.00	15.75	15.00		12.0			8.5		
1N229A	18.10	19.00	18.10		15.0			7.0		
All Electrical Characteristics Apply in Both Directions										

ZENER DIODES, SURFACE MOUNT

500mW		Nominal Zener Voltage at I_{ZT}	Zener Test Current	Maximum Voltage Regulation	Maximum Reverse Leakage Current at $T_A = 25^{\circ}\text{C}$		Maximum Zener Current	Package Quantities	Outline																																		
JEDEC Part Number	V_Z (Volts)	I_{ZT} (uA)	ΔV_Z (Volts)	V_K (Volts)	I_K (uA)	I_{ZM} (mA)	7" Reel	Inches/millimeters																																			
LL4678	1.8	50	0.70	1.0	7.5	120.0	2500	 <table border="1" data-bbox="1232 1020 1508 1238"><thead><tr><th rowspan="2">DIM</th><th colspan="2">MM</th><th colspan="2">INCHES</th></tr><tr><th>MIN</th><th>MAX</th><th>MIN</th><th>MAX</th></tr></thead><tbody><tr><td>D</td><td>1.60</td><td>1.70</td><td>.063</td><td>.067</td></tr><tr><td>F</td><td>0.41</td><td>0.55</td><td>.016</td><td>.022</td></tr><tr><td>G</td><td>3.30</td><td>3.70</td><td>.130</td><td>.146</td></tr><tr><td>S</td><td>0.03</td><td></td><td>.001</td><td></td></tr><tr><td>G1</td><td>2.54 REF</td><td></td><td>.100 REF</td><td></td></tr></tbody></table> MELF FEATURES: • Zener Voltage: 1.8 to 43.0 volts • Hermetically sealed glass package, DO-213AA (MELF, SOD-80, LL34) • Especially suited for low current operation at 50 uA MAXIMUM RATINGS: • Junction Temperature: -55°C to $+125^{\circ}\text{C}$ • Storage temperature: -65°C to $+150^{\circ}\text{C}$ • DC Power Dissipation: 500 mW at $T_A = 50^{\circ}\text{C}$ • Derate above 50°C: 3.33 mW/$^{\circ}\text{C}$ • Forward Voltage at 100 mA: 1.5 volts max. Standard Tolerance is $\pm 5\%$. Consult Factory for Tighter Tolerances		DIM	MM		INCHES		MIN	MAX	MIN	MAX	D	1.60	1.70	.063	.067	F	0.41	0.55	.016	.022	G	3.30	3.70	.130	.146	S	0.03		.001		G1	2.54 REF		.100 REF	
DIM	MM		INCHES																																								
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D	1.60		1.70	.063	.067																																						
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G1	2.54 REF			.100 REF																																							
LL4679	2.0		0.70	1.0	5.0	110.0																																					
LL4680	2.2		0.70	1.0	4.0	100.0																																					
LL4681	2.4		0.80	1.0	2.0	95.0																																					
LL4682	2.7		0.85	1.0	1.0	90.0																																					
LL4683	3.0		0.90	1.0	0.8	85.0																																					
LL4684	3.3		0.95	1.5	7.5	80.0																																					
LL4685	3.6		0.95	2.0	7.5	75.0																																					
LL4686	3.9		0.97	2.0	5.0	70.0																																					
LL4687	4.3		0.99	2.0	4.0	65.0																																					
LL4688	4.7		0.99	3.0	10.0	60.0																																					
LL4689	5.1		0.97	3.0	10.0	55.0																																					
LL4690	5.6		0.96	4.0	10.0	50.0																																					
LL4691	6.2	0.95	5.0	10.0	45.0																																						
LL4692	6.8	0.90	5.1	10.0	35.0																																						
LL4693	7.5	0.75	5.7	10.0	31.8																																						
LL4694	8.2	0.50	6.2	1.0	29.0																																						
LL4695	8.7	0.10	6.6	1.0	27.4																																						
LL4696	9.1	0.08	6.9	1.0	26.2																																						
LL4697	10.0	0.10	7.6	1.0	24.8																																						
LL4698	11.0	0.11	8.4	0.05	21.6																																						
LL4699	12.0	0.12	9.1	0.05	20.4																																						
LL4700	13.0	0.13	9.8	0.05	19.0																																						
LL4701	14.0	0.14	10.6	0.05	17.5																																						
LL4702	15.0	0.15	11.4	0.05	16.3																																						
LL4703	16.0	0.16	12.1	0.05	15.4																																						
LL4704	17.0	0.17	12.9	0.05	14.5																																						
LL4705	18.0	0.18	13.6	0.05	13.2																																						
LL4706	19.0	0.19	14.4	0.05	12.5																																						
LL4707	20.0	0.20	15.2	0.01	11.9																																						
LL4708	22.0	0.22	16.7	0.01	10.8																																						
LL4709	24.0	0.24	18.2	0.01	9.9																																						
LL4710	26.0	0.25	19.0	0.01	9.5																																						
LL4711	27.0	0.27	20.4	0.01	8.8																																						
LL4712	28.0	0.28	21.2	0.01	8.5																																						
LL4713	30.0	0.30	22.8	0.01	7.9																																						
LL4714	33.0	0.33	25.0	0.01	7.2																																						
LL4715	36.0	0.36	27.3	0.01	6.6																																						
LL4716	39.0	0.39	29.6	0.01	6.1																																						
LL4717	43.0	0.43	32.6	0.01	5.6																																						