



# Surface Mount Zener Diode

## DL47 Series

RoHS Compliant Product

A suffix of "-C" specifies halogen & lead-free

1W, MELF

Type Number	Nominal Zener Voltage Vz at Iz*	Test Current IzT	Maximum Zener Impedance			Maximum Reverse Leakage Current		Surge Current IR At Ta=25	Maximum Regulator Current IzM
			ZzT at IzT	Zzk at IzK	IzK	IR	Test-Voltage Suffix B		
			Ω	Ω	mA	μA	Volts		
DL4728A	3.3	76	10	400	1.0	100	1.0	1380	276
DL4729A	3.6	69	10	400	1.0	100	1.0	1260	252
DL4730A	3.9	64	9	400	1.0	50	1.0	1170	234
DL4731A	4.3	58	9	400	1.0	10	1.0	1085	217
DL4732A	4.7	53	8	500	1.0	10	1.0	965	193
DL4733A	5.1	49	7	550	1.0	10	1.0	890	178
DL4734A	5.6	45	5	600	1.0	10	2.0	810	162
DL4735A	6.2	41	2	700	1.0	10	3.0	730	146
DL4736A	6.8	37	3.5	700	0.5	10	4.0	660	133
DL4737A	7.5	34	4	700	0.5	10	5.0	605	121
DL4738A	8.2	31	4.5	700	0.5	10	6.0	550	110
DL4739A	9.1	28	5	700	0.25	10	7.0	500	100
DL4740A	10	25	7	700	0.25	10	7.6	454	91
DL4741A	11	23	8	700	0.25	5	8.4	414	83
DL4742A	12	21	9	700	0.25	5	9.1	380	76
DL4743A	13	19	10	700	0.25	5	9.9	344	69
DL4744A	15	17	14	700	0.25	5	11.4	304	61
DL4745A	16	15.5	16	700	0.25	5	12.2	285	57
DL4746A	18	14	20	750	0.25	5	13.7	250	50
DL4747A	20	12.5	22	750	0.25	5	15.2	225	45
DL4748A	22	11.5	23	750	0.25	5	16.7	205	41
DL4749A	24	10.5	25	750	0.25	5	18.2	190	38
DL4750A	27	9.5	35	750	0.25	5	20.6	170	34
DL4751A	30	8.5	40	1000	0.25	5	22.8	150	30
DL4752A	33	7.5	45	1000	0.25	5	25.1	135	27
DL4753A	36	7.0	50	1000	0.25	5	27.4	125	25
DL4754A	39	6.5	60	1000	0.25	5	29.7	115	23
DL4755A	43	6.0	70	1500	0.25	5	32.7	110	22
DL4756A	47	5.5	80	1500	0.25	5	35.8	95	19
DL4757A	51	5.0	95	1500	0.25	5	38.8	90	18
DL4758A	56	4.5	110	2000	0.25	5	42.6	80	16
DL4759A	62	4.0	125	2000	0.25	5	47.1	70	14
DL4760A	68	3.7	150	2000	0.25	5	51.7	65	13
DL4761A	75	3.3	175	2000	0.25	5	56.0	60	12
DL4762A	82	3	200	3000	0.25	5	62.2	55	11
DL4763A	91	2.8	250	3000	0.25	5	69.2	50	10
DL4764A	100	2.5	300	3000	0.25	5	76.0	45	9

Standard Voltage Tolerance is ± 5 %

Measured with Pulses Tp = 40m Sec.

**• Absolute Maximum Ratings**

Characteristic	Symbol	Value	Unit
Zener Current see Table "Characteristics"			
Power Dissipation at Tamb=25	Ptot	1*	W
Junction Temperature	Tj	200	
Storage Temperature Range	Ts	-65 to +200	

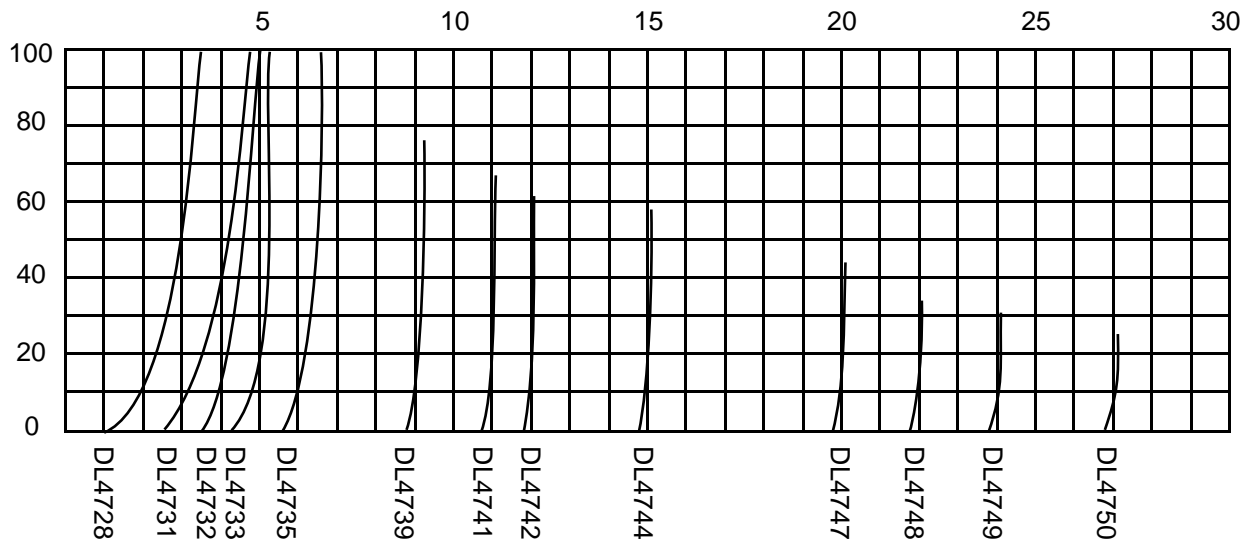
\*Valid provided that leads at a distance of 10mm from case are kept at ambient temperature.

**• Characteristic at Tamb=25**

	Symbol	Min.	Typ.	Max.	Unit
Thermal Resistance Junction to Ambient Air	RθA	-	-	170*	K/mW
Forward Voltage At IF=200mA	VF	-	-	1.2	V

\*Valid provided that leads at a distance of 10mm from case are kept at ambient temperature.

**Breakdown Characteristics**



**Admissible power dissipation versus ambient temperature**

Valid provided that leads are kept at ambient temperature at distance of 10 mm from case

