

ZENER DIODES

T-11-13

1N4729 Series 1 Watt Glass Zener Diodes in DO-41 Package ($T_A = 25^\circ\text{C}$)

Using the type designations ZM4729, ZM4730 and so on, these Zener diodes are available in the MELF package with the same electrical characteristics.

Type	Nominal Zener Voltage V_Z at I_{ZT} *	Test Current I_{ZT}	Maximum Zener Impedance			Maximum Reverse Leakage Current		Max. Surge Current 8.3 ms I_{ZS}	Maximum Regulator Current I_{ZM}
			Z_{ZT} at I_{ZT}	Z_{ZK} at I_{ZK}	I_{ZK}	I_R	at V_R		
	Volts	mA	Ohms	Ohms	mA	μA	Volts	mA	mA
1N4729 A	3.6	69	10	400	1.0	100	1	1260	252
1N4730 A	3.9	64	9	400	1.0	100	1	1190	234
1N4731 A	4.3	58	9	400	1.0	50	1	1070	217
1N4732 A	4.7	53	8	500	1.0	10	1	970	193
1N4733 A	5.1	49	7	550	1.0	10	1	890	178
1N4734 A	5.6	45	5	600	1.0	10	2	810	162
1N4735 A	6.2	41	2	700	1.0	10	3	730	146
1N4736 A	6.8	37	3.5	700	1.0	10	4	660	133
1N4737 A	7.5	34	4	700	0.5	10	5	605	121
1N4738 A	8.2	31	4.5	700	0.5	10	6	550	110
1N4739 A	9.1	28	5	700	0.5	10	7	500	100
1N4740 A	10	25	7	700	0.25	10	7.6	454	91
1N4741 A	11	23	8	700	0.25	5	8.4	414	83
1N4742 A	12	21	9	700	0.25	5	9.1	380	76
1N4743 A	13	19	10	700	0.25	5	9.9	344	69
1N4744 A	15	17	14	700	0.25	5	11.4	304	61
1N4745 A	16	15.5	16	700	0.25	5	12.2	285	57
1N4746 A	18	14	20	750	0.25	5	13.7	250	50
1N4747 A	20	12.5	22	750	0.25	5	15.2	225	45
1N4748 A	22	11.5	23	750	0.25	5	16.7	205	41
1N4749 A	24	10.5	25	750	0.25	5	18.2	190	38
1N4750 A	27	9.5	35	750	0.25	5	20.6	170	34
1N4751 A	30	8.5	40	1000	0.25	5	22.8	150	30
1N4752 A	33	7.5	45	1000	0.25	5	25.1	135	27
1N4753 A	36	7.0	50	1000	0.25	5	27.4	125	25
1N4754 A	39	6.5	60	1000	0.25	5	29.7	115	23
1N4755 A	43	6.0	70	1500	0.25	5	32.7	110	22
1N4756 A	47	5.5	80	1500	0.25	5	35.8	95	19
1N4757 A	51	5.0	95	1500	0.25	5	38.8	90	18
1N4758 A	56	4.5	110	2000	0.25	5	42.6	80	16
1N4759 A	62	4.0	125	2000	0.25	5	47.1	70	14
1N4760 A	68	3.7	150	2000	0.25	5	51.7	65	13
1N4761 A	75	3.3	175	2000	0.25	5	56.0	60	12
1N4762 A	82	3.0	200	3000	0.25	5	62.2	55	11
1N4763 A	91	2.8	250	3000	0.25	5	69.2	50	10
1N4764 A	100	2.5	350	3000	0.25	5	76.0	45	9.0

Standard Voltage Tolerance is $\pm 5\%$.

*Measured under thermal equilibrium and DC test conditions.