

Dual Zener Diodes

DZ89 Series 800 mW Dual Zener Diodes (SOT-89A Plastic Package) $T_A = 25^\circ\text{C}$

Two Zener diodes with common cathodes in one package. The common cathodes and the two anodes are each connected to a separate pin.

Type	Marking Code	Zener Voltage ¹⁾ at I_{ZT}	Dynamic Resistance at I_{ZT} $f = 1\text{ kHz}$	Temp. Coefficient of Zener Voltage at I_{ZT} $f = 1\text{ kHz}$	Test Current	Reverse Voltage at $I_R = 0.5\ \mu\text{A}$
		$V_Z\ \text{V}$	$r_{zj}\ \mu$	$\alpha_{VZ}\ 10^{-4}/\text{K}$	$I_{ZT}\ \text{mA}$	$V_R\ \text{V}$
DZ89-C3V9	T1	3.7...4.1	4 (<7)	-7...+2	100	-
DZ89-C4V3	T2	4.0...4.6	4 (<7)	-7...+3	100	-
DZ89-C4V7	T3	4.4...5.0	4 (<7)	-7...+4	100	-
DZ89-C5V1	T4	4.8...5.4	2 (<5)	-6...+5	100	>0.7
DZ89-C5V6	T5	5.2...6.0	1 (<2)	-3...+5	100	>1.5
DZ89-C6V2	T6	5.8...6.8	1 (<2)	-1...+6	100	>2.0
DZ89-C6V8	T7	6.4...7.2	1 (<2)	0...+7	100	>3.0
DZ89-C7V5	T8	7.0...7.9	1 (<2)	0...+7	100	>5.0
DZ89-C8V2	T9	7.7...8.7	1 (<2)	+3...+8	100	>6.0
DZ89-C9V1	T10	8.5...9.6	2 (<4)	+3...+8	50	>7.0
DZ89-C10	T11	9.4...10.6	2 (<4)	+5...+9	50	>7.5
DZ89-C11	T12	10.4...11.6	3 (<7)	+5...+10	50	>8.5
DZ89-C12	T13	11.4...12.7	3 (<7)	+5...+10	50	>9.0
DZ89-C13	T14	12.4...14.1	4 (<9)	+5...+10	50	>10
DZ89-C15	T15	13.8...15.8	4 (<9)	+5...+10	50	>11
DZ89-C16	T16	15.3...17.1	5 (<10)	+6...+11	25	>12
DZ89-C18	T17	16.8...19.1	5 (<11)	+6...+11	25	>14
DZ89-C20	T18	18.8...21.2	6 (<12)	+6...+11	25	>15
DZ89-C22	T19	20.8...23.3	7 (<13)	+6...+11	25	>17
DZ89-C24	T20	22.8...25.6	8 (<14)	+6...+11	25	>18
DZ89-C27	T21	25.1...28.9	9 (<15)	+6...+11	25	>20
DZ89-C30	T22	28...32	10 (<20)	+6...+11	25	>22.5
DZ89-C33	T23	31...35	11 (<20)	+6...+11	25	>25
DZ89-C36	T24	34...38	25 (<60)	+6...+11	10	>27
DZ89-C39	T25	37...41	30 (<60)	+6...+11	10	>29
DZ89-C43	T26	40...46	35 (<80)	+7...+12	10	>32
DZ89-C47	T27	44...50	40 (<80)	+7...+12	10	>35
DZ89-C51	T28	48...54	45 (<100)	+7...+12	10	>38
DZ89-C56	T29	52...60	50 (<100)	+7...+12	10	>42
DZ89-C62	T30	58...66	60 (<130)	+8...+13	10	>47
DZ89-C68	T31	64...72	65 (<130)	+8...+13	10	>51
DZ89-C75	T32	70...79	70 (<160)	+8...+13	10	>56
DZ89-C82	T33	77...88	80 (<160)	+8...+13	10	>61
DZ89-C91	T34	85...96	120 (<250)	+9...+13	5	>68
DZ89-C100	T35	94...106	130 (<250)	+9...+13	5	>75
DZ89-C120	T36	107...134	170 (<330)	+9...+13	5	>90
DZ89-C150	T37	130...165	200 (<360)	+9...+13	5	>112
DZ89-C180	T38	160...200	220 (<380)	+9...+13	5	>134

* Measured with pulses $t_p = 20\ \text{ms}$.

The parameters are valid for both diodes in one case. ΔV_Z and ΔZ_{ZT} of the two diodes in one case is $\leq 5\%$.