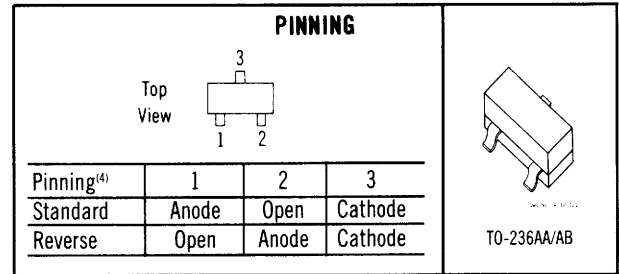


SERIES TMPZ MICROMINIATURE ZENER DIODES⁽¹⁾

- Series TMPZ consists of standard IN5227 thru IN5257 type diode chips molded in a TO-263AA (high-profile) or TO-236AB (low profile) package.
- The TO-236AA/TO-236AB package which is similar to the SOT23 case is intended as an alternate to conventional "chip and wire" hybrid assembly techniques. (3)



See Note 4 and 5

FOR PACKAGE DIMENSIONS, SEE PAGES 117.

Catalog Number (2) (4)	Marking	Zener Voltage V_Z @ I_{ZT}		Maximum Reverse Leakage Current		Maximum Zener Impedance in Ω	
		$V_{Z(nom)}(V)$	@ $I_{ZT}(mA)$	$I_R(\mu A)$	@ $V_R(V)$	Z_{ZT} @ I_{ZT}	Z_{ZK} @ $I_{ZK} = 25 mA$
TMPZ5229	8D	4.3	20	5	1	22	2000
TMPZ5230	8E	4.7	20	5	1.9	19	1900
TMPZ5231	8F	5.1	20	5	1.9	17	1600
TMPZ5232	8G	5.6	20	5	2.9	11	1600
TMPZ5233	8H	6	20	5	3.3	7	1600
TMPZ5234	8J	6.2	20	5	3.8	7	1000
TMPZ5235	8K	6.8	20	3	4.8	5	750
TMPZ5236	8L	7.5	20	3	5.7	6	500
TMPZ5237	8M	8.2	20	3	6.2	8	500
TMPZ5238	8N	8.7	20	3	6.2	8	600
TMPZ5239	8P	9.1	20	3	6.7	17	600
TMPZ5240	8Q	10	20	3	7.6	22	600
TMPZ5241	8R	11	20	2	8	30	600
TMPZ5242	8S	12	20	1	8.7	12	600
TMPZ5243	8T	13	9.5	0.5	9.4	13	600
TMPZ5244	8U	14	9	0.1	9.5	15	600
TMPZ5245	8V	15	8.5	0.1	10.5	16	600
TMPZ5246	8W	16	7.8	0.1	11.4	17	600
TMPZ5247	8X	17	7.4	0.1	12.4	19	600
TMPZ5248	8Y	18	7	0.1	13.3	21	600
TMPZ5249	8Z	19	6.6	0.1	13.3	23	600
TMPZ5250	81A	20	6.2	0.1	14.3	25	600
TMPZ5251	81B	22	5.6	0.1	16.2	29	600
TMPZ5252	81C	24	5.2	0.1	17.1	33	600
TMPZ5253	81D	25	5	0.1	18.1	35	600
TMPZ5254	81E	27	4.6	0.1	20	41	600
TMPZ5255	81F	28	4.5	0.1	20	44	600
TMPZ5256	81G	30	4.2	0.1	22	49	600
TMPZ5257	81H	33	3.8	0.1	24	58	700

Notes: 1. $T_A = +25^\circ C$ 2. $\pm 5\%$ Tolerance 3. Consult factory for complete technical data.

4. Available in standard and reverse pin-out. Standard pin-out catalog numbers are shown. For reverse pin-out add 'R' suffix to catalog number. Example: TMPZ5230 standard pin-out; TMPZ5230R reverse pin-out.

5. Part numbers shown above are for the high-profile package and standard pinouts. To order the low-profile package, add an "L" to the part number. To order reverse pinouts, end the part number with an "R."