

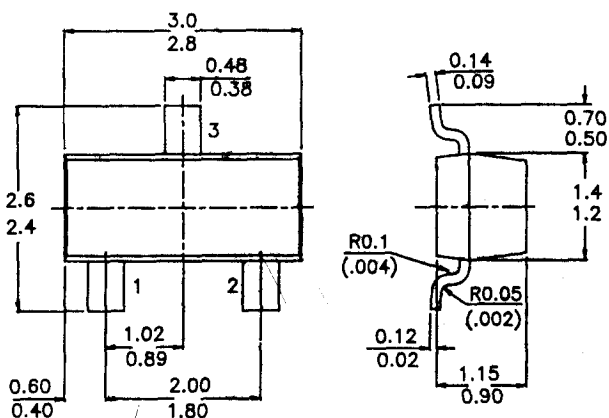
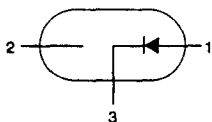
SILICON PLANAR ZENER DIODES

General purpose zener diodes

PACKAGE OUTLINE DETAILS ALL DIMENSIONS IN mm

Pin configuration

- 1 = ANODE
- 2 = NC
- 3 = CATHODE



Marking

CMBZ5230B = 8E	CMBZ5239B = 8P	CMBZ5248B = 8Y	CMBZ5257B = 81H
31B = 8F	40B = 8Q	49B = 8Z	
32B = 8G	41B = 8R	50B = 81A	
33B = 8H	42B = 8S	51B = 81B	
34B = 8J	43B = 8T	52B = 81C	
35B = 8K	44B = 8U	53B = 81D	
36B = 8L	45B = 8V	54B = 81E	
37B = 8M	46B = 8W	55B = 81F	
38B = 8N	47B = 8X	56B = 81G	

ABSOLUTE MAXIMUM RATINGS

Working voltage range
Working voltage tolerance
Total power dissipation up to $T_{amb} = 25\text{ }^{\circ}\text{C}$
Junction temperature

V_Z	nom.	4.7 to 33 V
		$\pm 5\%$
P_{tot}	max.	300 mW
T_j	max.	150 $^{\circ}\text{C}$

Device	Zener Voltage $V_Z (\pm 5\%)$ Nominal	Test Current I_{ZT} mA	Z_{ZK} $I_Z=0.25\text{mA}$ ohm max	Z_{ZT} $I_Z = I_{ZT}$ @10% Mod ohm max	Max I_R uA max	@ V_R (V)
CMBZ-5252B	24	5.2	600	33	0.1	18
CMBZ-5253B	25	5.0	600	35	0.1	19
CMBZ-5254B	27	4.6	600	41	0.1	21
CMBZ-5255B	28	4.5	600	44	0.1	21
CMBZ-5256B	30	4.2	600	49	0.1	23
CMBZ-5257B	33	3.8	700	58	0.1	25