

ZENER DIODE, LEADLESS SURFACE MOUNT

APPLICATION:

Voltage Regulation

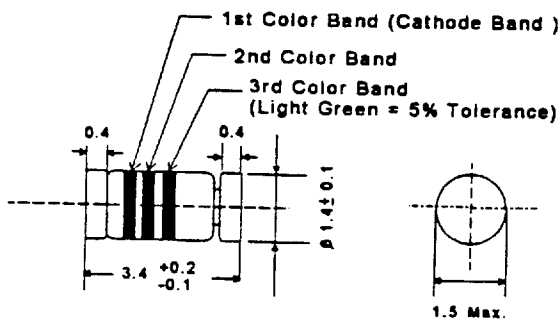
MAXIMUM RATINGS: (Ta = 25°C)

Total Power Dissipation (Pd) 500 mW
 Junction Temperature (Tj) 175°C
 Storage Temperature (Tstg) -65 to +175°C

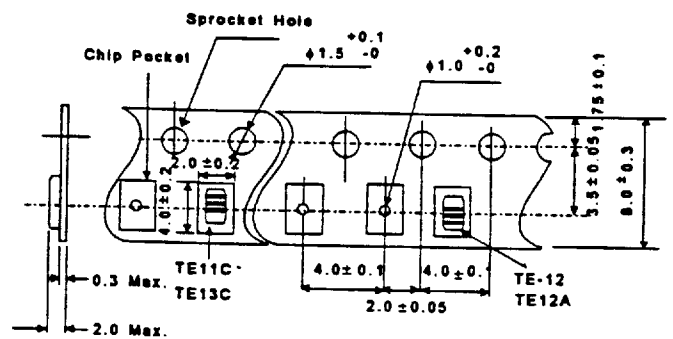
FEATURES:

- Small size for Surface Mount Applications
- Compatible with JEDEC IN5000 Series
- Glass sealed for high reliability
- Silicon planar construction
- LL-34 Package
- Available in 8 mm plastic carrier tape
- Voltage range: 2.4 to 91V

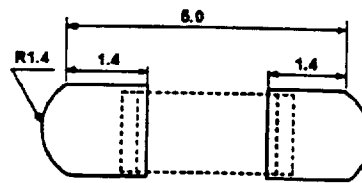
DIMENSIONS/PACKAGING: (Unit: mm)



LL-34 Package



Tape and Reel Packing



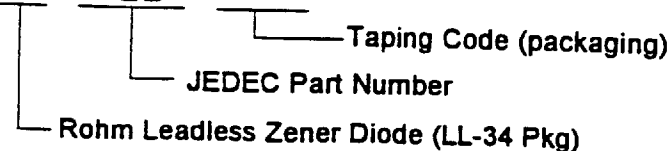
Recommended Pad Layout

Taping Code	Description	Quantity/Reel	Reel Size
*TE11C	Band End (Cathode) Toward Feed Hole Side	2,500	178mm/7"
*TE13C	Band End (Cathode) Toward Feed Hole Side	10,000	330mm/13"
TE-12	Non-Band End (Anode) Toward Feed Hole Side	2,500	178mm/7"
TE12A	Non-Band End (Anode) Toward Feed Hole Side	10,000	330mm/13"

*Standard Taping Code

HOW TO ORDER:

RLZ 52 __ B TE11C



Example: RLZ5230BTE11C Description: Zener Diode, 4.7V - 2,500 pc/reel

ELECTRICAL CHARACTERISTICS: (Ta=25°C)

· RLZ5000 Series (Package: LL-34)

Part Number	Zener Voltage @ I_{ZT} $V_Z \pm 5\%$ (Volts)			Test Current I_{ZT} (mA)	Max. Zener Impedance		Max. Reverse Leakage Current		Max. Zener Temp Coef. θV_Z (%/°C)	Part Marking	
	Nom. V_Z	Min. V_Z	Max. V_Z		Z_Z (Ohms)	$Z @ I_Z = 25mA$ (Ohms)	I_R (mA)	@ V_R (V)		Band 1 (Cathode)	Band 2
RLZ5221B	2.4	2.28	2.52	20	30	1200	100	1.0	-0.085	Black	Brown
RLZ5222B	2.5	2.38	2.63	20	30	1250	100	1.0	-0.085	Black	Red
RLZ5223B	2.7	5.57	2.84	20	30	1300	75	1.0	-0.080	Black	Orange
RLZ5224B	2.8	2.66	2.94	20	30	1400	75	1.0	-0.080	Black	Yellow
RLZ5225B	3.0	2.85	3.15	20	29	1600	50	1.0	-0.075	Black	Green
RLZ5226B	3.3	3.14	3.47	20	28	1600	25	1.0	-0.070	Black	Blue
RLZ5227B	3.6	3.42	3.78	20	24	1700	15	1.0	-0.065	Black	Violet
RLZ5228B	3.9	3.71	4.10	20	23	1900	10	1.0	-0.060	Black	Gray
RLZ5229B	4.3	4.09	4.52	20	22	2000	5.0	1.0	-0.038	Black	White
RLZ5230B	4.7	4.47	4.94	20	19	1900	5.0	2.0	-0.030	Brown	Black
RLZ5231B	5.1	4.85	5.36	20	17	1600	5.0	2.0	-0.030	Brown	Brown
RLZ5232B	5.6	5.32	5.88	20	11	1600	5.0	3.0	+0.038	Brown	Red
RLZ5233B	6.0	5.70	6.30	20	7.0	1600	5.0	3.5	+0.038	Brown	Orange
RLZ5234B	6.2	5.89	6.51	20	7.0	1000	5.0	4.0	+0.045	Brown	Yellow
RLZ5235B	6.8	6.46	7.14	20	5.0	750	3.0	5.0	+0.050	Brown	Green
RLZ5236B	7.5	7.13	7.88	20	6.0	500	3.0	6.0	+0.058	Brown	Blue
RLZ5237B	8.2	7.79	8.61	20	8.0	500	3.0	6.5	+0.062	Brown	Violet
RLZ5238B	8.7	8.27	9.14	20	8.0	600	3.0	6.5	+0.065	Brown	Gray
RLZ5239B	9.1	8.65	9.56	20	10	600	3.0	7.0	+0.068	Brown	White
RLZ5240B	10.0	9.50	10.50	20	17	600	3.0	8.0	+0.075	Red	Black
RLZ5241B	11.0	10.45	11.55	20	22	600	2.0	8.4	+0.076	Red	Brown
RLZ5242B	12.0	11.40	12.60	20	30	600	1.0	9.1	+0.077	Red	Red
RLZ5243B	13.0	12.35	13.65	9.5	13	600	0.5	9.9	+0.079	Red	Orange
RLZ5244B	14.0	13.30	14.70	9.0	15	600	0.1	10.0	+0.082	Red	Yellow
RLZ5245B	15.0	14.25	15.75	8.5	16	600	0.1	11.0	+0.082	Red	Green
RLZ5246B	16.0	15.20	16.80	7.8	17	600	0.1	12.0	+0.083	Red	Blue
RLZ5247B	17.0	16.15	17.85	7.4	19	600	0.1	13.0	+0.084	Red	Violet
RLZ5248B	18.0	17.10	18.90	7.0	21	600	0.1	14.0	+0.085	Red	Gray
RLZ5249B	19.0	18.05	19.95	6.6	23	600	0.1	14.0	+0.086	Red	White
RLZ5250B	20.0	19.00	21.00	6.2	25	600	0.1	15.0	+0.086	Orange	Black
RLZ5251B	22.0	20.90	23.10	5.6	29	600	0.1	17.0	+0.087	Orange	Brown
RLZ5252B	24.0	22.80	25.20	5.2	33	600	0.1	18.0	+0.088	Orange	Red
RLZ5253B	25.0	23.75	26.25	5.0	35	600	0.1	19.0	+0.089	Orange	Orange
RLZ5254B	27.0	25.65	28.35	4.6	41	600	0.1	21.0	+0.090	Orange	Yellow
RLZ5255B	28.0	26.60	29.40	4.5	44	600	0.1	21.0	+0.091	Orange	Green
RLZ5256B	30.0	28.50	31.50	4.2	49	600	0.1	23.0	+0.091	Orange	Blue
RLZ5257B	33.0	31.35	34.65	3.8	58	700	0.1	25.0	+0.092	Orange	Violet
RLZ5258B	36.0	34.20	37.80	3.4	70	700	0.1	27.0	+0.093	Orange	Gray
RLZ5259B	39.0	37.05	40.95	3.2	80	800	0.1	30.0	+0.094	Orange	White
*RLZ5260B	43.0	40.85	45.15	3.0	93	900	0.1	33.0	+0.095	Yellow	Black
*RLZ5261B	47.0	44.65	49.35	2.7	105	1000	0.1	36.0	+0.095	Yellow	Brown
*RLZ5262B	51.0	48.45	53.55	2.5	125	1100	0.1	39.0	+0.096	Yellow	Red
*RLZ5263B	56.0	53.20	58.80	2.2	150	1300	0.1	43.0	+0.096	Yellow	Orange
*RLZ5264B	60.0	57.00	63.00	2.1	170	1400	0.1	46.0	+0.097	Yellow	Yellow
*RLZ5265B	62.0	58.90	65.10	2.0	185	1400	0.1	47.0	+0.097	Yellow	Green
*RLZ5266B	68.0	64.60	71.40	1.8	230	1600	0.1	52.0	+0.097	Yellow	Blue
*RLZ5267B	75.0	71.25	78.75	1.7	270	1700	0.1	56.0	+0.098	Yellow	Violet
*RLZ5268B	82.0	77.90	86.10	1.5	330	2000	0.1	62.0	+0.098	Yellow	Gray
*RLZ5269B	87.0	82.65	91.35	1.4	370	2200	0.1	68.0	+0.099	Yellow	White
*RLZ5270B	91.0	86.45	95.55	1.4	400	2300	0.1	69.0	+0.099	Green	Black

* Under Development

NOTE: 3rd Band (if present) will always be light green, which represents a tolerance of $\pm 5\%$.
No 3rd Band also means $\pm 5\%$.