



High-reliability discrete products
and engineering services since 1977

1N5096-1N5117 MZ211-MZ240

3 WATT ZENER DIODES

FEATURES

- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

MAXIMUM RATINGS

Rating	Value
Operating Temperature	-65 to 175°C
Storage Temperature	-65 to 200°C

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise specified)

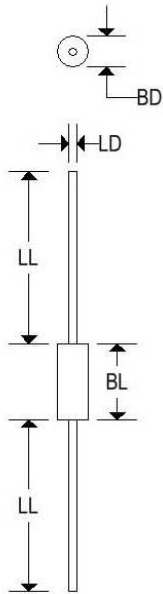
Type		Electrical Specifications @ 25°C						Maximum Ratings		
		Nominal Zener Voltage	Test Current	Maximum Reverse Leakage Current			Maximum Zener Impedance	Typ. Temp. Coefficient	Maximum Continuous Current	Maximum Surge Current
		V _Z @ I _{ZT}	I _{ZT}	I _R @ V _R	± 5% V _R	±10% V _R	Z _Z @ I _{ZT}	T _c @ I _{ZT}	I _{ZM}	I _S
±5% Tolerance	±10% Tolerance	Volts	mA	µA	Volts	Volts	Ohms	%/°C	mA	Amps
1N5096	MZ211	110	5.0	1	83.6	79.2	250	.100	25	0.3
1N5097	MZ212	120	5.0	1	91.2	86.4	325	.100	25	0.2
1N5098	MZ213	130	5.0	1	98.8	93.6	375	.100	20	0.20
1N5099	MZ214	140	5.0	1	106	101	550	.100	20	0.20
1N4098	MZ215	150	5.0	1	114	108	650	.100	20	0.20
1N5100	MZ216	160	4.0	1	122	115	700	.100	20	0.15
1N5101	MZ217	170	4.0	1	129	122	750	.100	18	0.15
1N5102	MZ218	180	4.0	1	137	129	850	.100	18	0.10
1N5103	MZ219	190	4.0	1	144	137	900	.100	15	0.10
1N5104	MZ220	200	4.0	1	152	144	950	.100	15	0.10
1N5105	MZ222	220	3.0	1	167	158	1100	.100	15	0.09
1N5106	MZ224	240	3.0	1	182	173	1300	.105	12	0.09
1N5107	MZ226	260	3.0	1	198	187	1500	.105	12	0.08
1N5109	MZ228	280	3.0	1	213	202	1700	.105	10	0.08
1N5110	MZ230	300	3.0	1	228	216	1900	.105	10	0.07
1N5111	MZ232	320	2.0	1	243	230	2100	.105	9	0.07
1N5113	MZ234	340	2.0	1	258	245	2400	.110	9	0.06
1N5114	MZ236	360	2.0	1	274	259	2700	.110	78	0.06
1N5115	MZ238	380	2.0	1	289	274	3000	.110	8	0.06
1N5117	MZ240	400	2.0	1	304	288	3500	.110	7	0.06

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MECHANICAL CHARACTERISTICS

Case:	Plastic DO-41
Marking:	Body painted, alpha-numeric
Polarity:	Cathode band



	DO-41			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	-	0.107	-	2.720
BL	-	0.205	-	5.207
LD	0.028	0.034	0.711	0.864
LL	1.000	-	25.400	-