

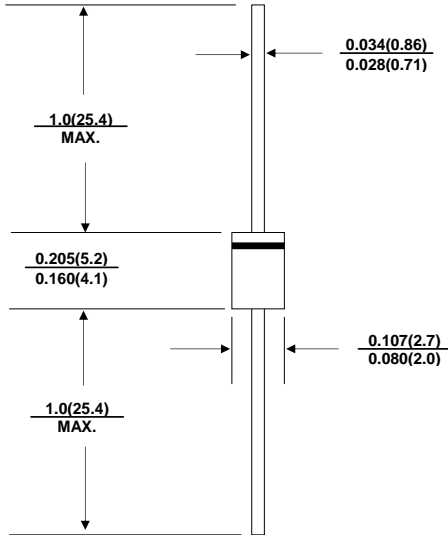


Z20-11B THRU Z20-100B

SILICON ZENER DIODES

Voltage - 11 to 100 Volts, Power 2.0 Watts

DO-41



Dimensions in inches and (millimeters)

FEATURES

- ◆ Low profile package, Low inductance
- ◆ 2.0W Power Dissipation
- ◆ Built-in strain relief
- ◆ Pb free product : 99% Sn above can meet RoHS environment substance directive request
- ◆ In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

Case: JEDEC DO-41 molded plastic body

Terminals: Solderable per MIL-STD-750 Method 2026

Approx. Weight: 0.012 ounce, 0.33 grams

Mounting Position: Any

Polarity: Color band denotes cathode end

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Parameter	Symbol	Value	Units
Power Dissipation at Tamb = 25 °C	P _{TOT}	2.0	W
Junction Temperature	T _J	-55 to + 150	°C
Storage Temperature Range	T _{STG}	-55 to + 150	°C



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Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Marking Code
	Vz @ Izt			Zzt@Izt		Zzk@Izk		IR@VR		
	Nom.(V)	Min.(V)	Max.(V)	Ω	mA	Ω	mA	uA	V	
2.0 W Zener Diodes										
ZL20-11B	11	10.45	11.55	4	45.5	700	0.25	1	8.4	Z2011
ZL20-12B	12	11.4	12.6	4.5	41.5	700	0.25	1	9.1	Z2012
ZL20-13B	13	12.35	13.65	5	38.5	700	0.25	0.5	9.9	Z2013
ZL20-14B	14	13.3	14.7	5.5	35.7	700	0.25	0.5	10.6	Z2014
ZL20-15B	15	14.25	15.75	7	33.4	700	0.25	0.5	11.4	Z2015
ZL20-16B	16	15.2	16.8	8	31.2	700	0.25	0.5	12.2	Z2016
ZL20-17B	17	16.15	17.85	9	29.4	750	0.25	0.5	13	Z2017
ZL20-18B	18	17.1	18.9	10	27.8	750	0.25	0.5	13.7	Z2018
ZL20-19B	19	18.05	19.95	11	26.3	750	0.25	0.5	14.4	Z2019
ZL20-20B	20	19	21	11	25	750	0.25	0.5	15.2	Z2020
ZL20-22B	22	20.9	23.1	12	22.8	750	0.25	0.5	16.7	Z2022
ZL20-24B	24	22.8	25.2	13	20.8	750	0.25	0.5	18.2	Z2024
ZL20-27B	27	25.65	28.35	18	18.5	750	0.25	0.5	20.6	Z2027
ZL20-30B	30	28.5	31.5	20	16.6	1000	0.25	0.5	22.5	Z2030
ZL20-33B	33	31.35	34.65	23	15.1	1000	0.25	0.5	25.1	Z2033
ZL20-36B	36	34.2	37.8	25	13.9	1000	0.25	0.5	27.4	Z2036
ZL20-39B	39	37.05	40.95	30	12.8	1000	0.25	0.5	29.7	Z2039
ZL20-43B	43	40.85	45.15	35	11.6	1500	0.25	0.5	32.7	Z2043
ZL20-47B	47	44.65	49.35	40	10.6	1500	0.25	0.5	35.8	Z2047
ZL20-51B	51	48.45	53.55	48	9.8	1500	0.25	0.5	38.8	Z2051
ZL20-56B	56	53.2	58.8	55	9	2000	0.25	0.5	42.6	Z2056
ZL20-62B	62	58.9	65.1	60	8.1	2000	0.25	0.5	47.1	Z2062
ZL20-68B	68	64.6	71.4	75	7.4	2000	0.25	0.5	51.7	Z2068
ZL20-75B	75	71.25	78.75	90	6.7	2000	0.25	0.5	56	Z2075
ZL20-82B	82	77.9	86.1	100	6.1	3000	0.25	0.5	62.2	Z2082
ZL20-91B	91	86.45	95.55	125	5.5	3000	0.25	0.5	69.2	Z2091
ZL20-100B	100	95	105	175	5	3000	0.25	0.5	76	Z20100



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RATINGS AND CHARACTERISTIC CURVES

FIG. 1- POWER DERATING CURVE

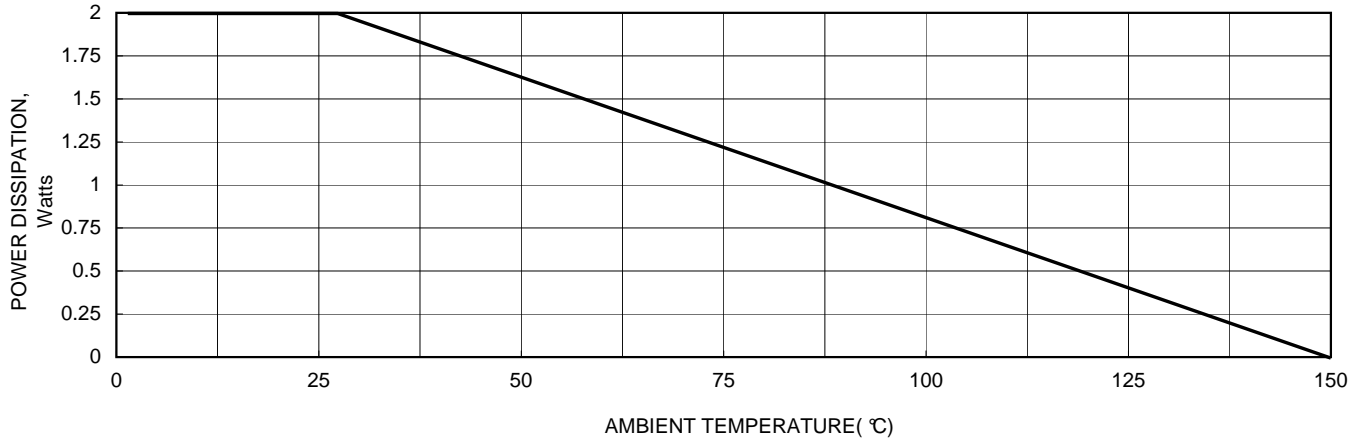


FIG. 2-TYPICAL LEAKAGE CURRENT

