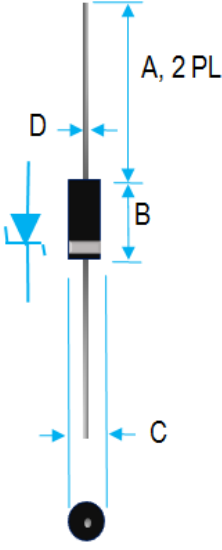


1W AXIAL LEAD ZENER DIODES, 100V – 350V



Dim.	Value Inch[mm]	
	Min.	Max.
A	1.000[25.40]	---
B	0.166[4.22]	0.205[5.21]
C	0.080[2.03]	0.107[2.72]
D	0.028[0.71]	0.034[0.86]

PRODUCT FEATURES

1. FLAMMABILITY CLASSIFICATION 94V-0
2. GLASS PASSIVATED CHIP CONSTRUCTION
3. WIDE ZENER VOLTAGE RANGE FROM 100V TO 350V
4. LOW ZENER IMPEDANCE
5. POLARITY: INDICATED BY CATHODE BAND
6. MOLDED PLASTIC CASE DO-41
7. DIMENSIONS IN INCHES AND (MILLIMETERS)
8. LEADS: SOLDERABILITY PER MIL-STD-202 METHOD 208
9. WEIGHT: 0.33 GRAMS
10. RoHS COMPLIANT AND HALOGEN FREE

ELECTRICAL CHARACTERISTICS

MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$ UNLESS OTHERWISE NOTED)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT
FORWARD VOLTAGE @ $I_F = 200\text{mA}$	V_F			1.20	V
POWER DISSIPATION	P_D			1.0	W
OPERATING TEMPERATURE	T_J	-55		+150	$^\circ\text{C}$
STORAGE TEMPERATURE	T_{STG}	-65		+150	$^\circ\text{C}$



ZUL10-100B THRU ZUL10-350B SPECIFICATION

Rev. A

Part No.	Zener			Dynamic Impedance		Leakage Current	
	V _Z @ I _{ZT} (Volts)			Z _{ZT} @ I _{ZT}	I _{ZT}	I _R	V _R
	Min.	Nom.	Max.	(Ω)Max	μA	μA	Volts
ZUL10-100B	95	100	105	2000	50	0.5	86
ZUL10-110B	104.5	110	115.5	2000	50	0.5	94
ZUL10-115B	109.25	115	120.75	2000	50	0.5	98
ZUL10-120B	114	120	126	2000	50	0.5	103
ZUL10-130B	123.5	130	136.5	2000	50	0.5	111
ZUL10-140B	133	140	147	5000	50	0.5	120
ZUL10-150B	142.5	150	157.5	5000	50	0.5	128
ZUL10-160B	152	160	168	5000	50	0.5	137
ZUL10-170B	161.5	170	178.5	5000	50	0.5	145
ZUL10-180B	171	180	189	5000	50	0.5	154
ZUL10-190B	180.5	190	199.5	5000	50	0.5	162
ZUL10-200B	190	200	210	8000	50	0.5	171
ZUL10-210B	199.5	210	220.5	9000	50	0.5	180
ZUL10-220B	209	220	231	9000	50	0.5	188
ZUL10-230B	218.5	230	241.5	9000	50	0.5	197
ZUL10-240B	228	240	252	9000	50	0.5	205
ZUL10-250B	237.5	250	262.5	9000	50	0.5	214
ZUL10-260B	247	260	273	9000	50	0.5	222
ZUL10-270B	256.5	270	283.5	9000	50	0.5	231
ZUL10-280B	266	280	294	9000	50	0.5	239
ZUL10-290B	275.5	290	304.5	9000	50	0.5	248
ZUL10-300B	285	300	315	9000	50	0.5	257
ZUL10-310B	294.5	310	325.5	9500	50	0.5	265
ZUL10-320B	304	320	336	9500	50	0.5	274
ZUL10-330B	313.5	330	346.5	9500	50	0.5	282
ZUL10-350B	332.5	350	367.5	9800	50	0.5	299

Note : Suffix B denotes 5% tolerance of Zener voltage



RATINGS AND CHARACTERISTIC CURVES

FIG. 1 - MAXIMUM CONTINUOUS POWER DISSIPATION

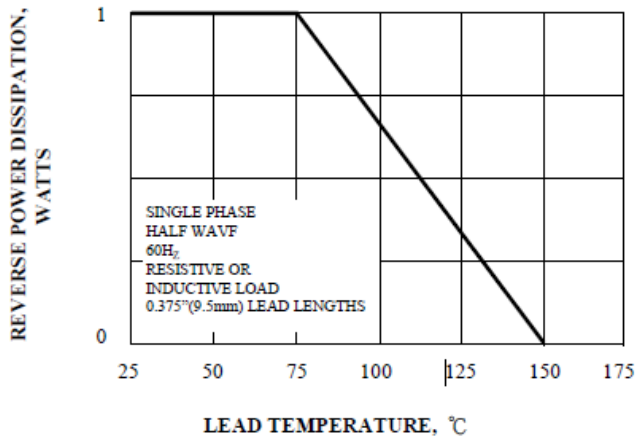


FIG. 2 - ZENER VOLTAGE VERSUS ZENER CURRENT

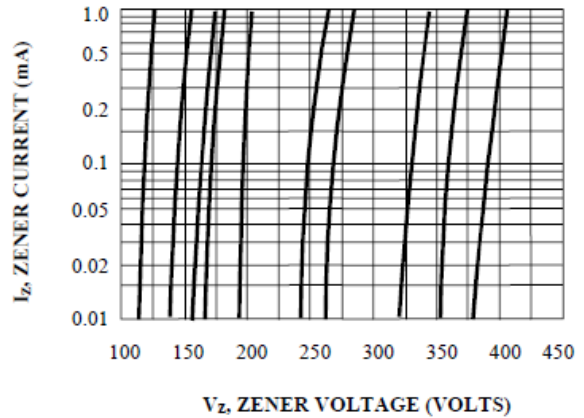


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

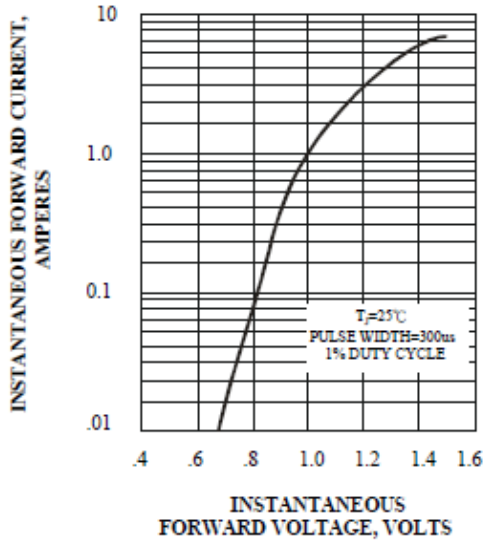


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

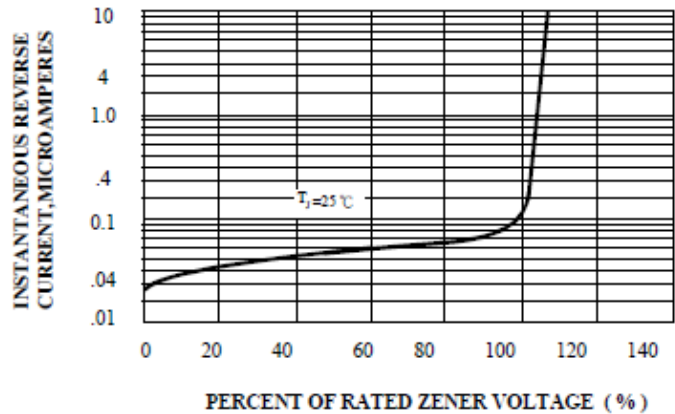


FIG. 5 - TYPICAL TEMPERATURE COEFFICIENTS

