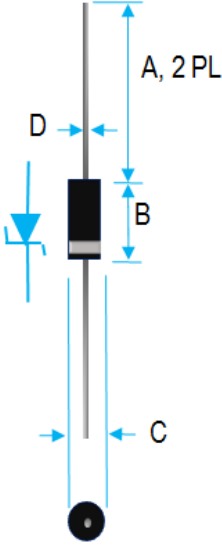


1W AXIAL LEAD ZENER DIODES, 400V & 600V



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. ZENER VOLTAGE 400V & 600V AVAILABLE
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			2.4	V
POWER DISSIPATION	P_D			1.0	W
OPERATING TEMPERATURE	T_J	-55		+150	$^\circ\text{C}$
STORAGE TEMPERATURE	T_{STG}	-65		+150	$^\circ\text{C}$

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
ZUL10-400B	380	400	420	9800	50	0.5	342
ZUL10-600B	570	600	630	9800	50	0.5	513

Note : Suffix B denotes 5% tolerance of Zener voltage



RATINGS AND CHARACTERISTIC CURVES

FIG. 1 - MAXIMUM CONTINUOUS POWER DISSIPATION

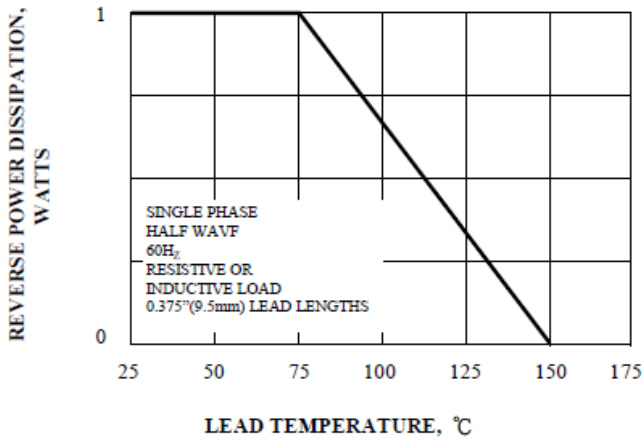


FIG. 2 - ZENER VOLTAGE VERSUS ZENER CURRENT

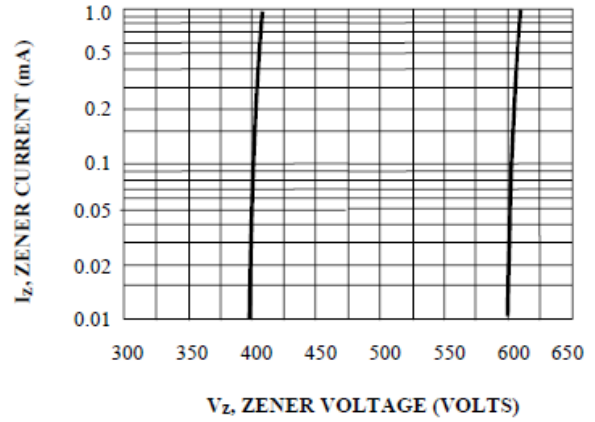


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

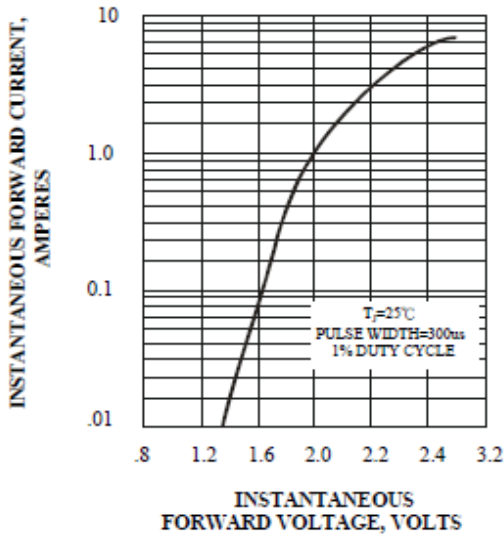


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

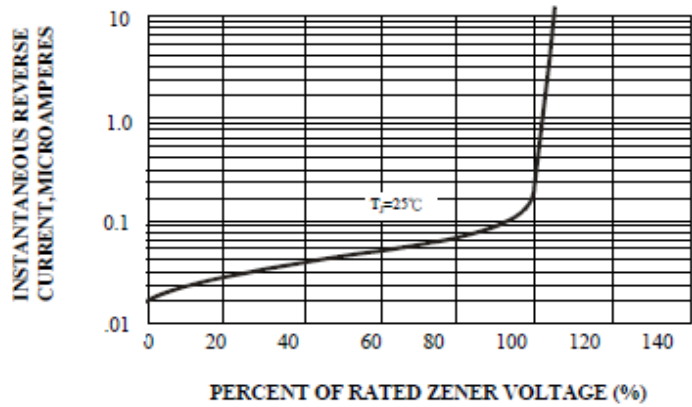


FIG. 5 - TYPICAL TEMPERATURE COEFFICIENTS

