

TECHNICAL DATA
DATA SHEET 4110, REV. A

ZENER 5W VOLTAGE REGULATOR

PACKAGE STYLE: Zener 5W/Zener 5W Melf (Suffix "US" denotes melf/surface mount packaging)

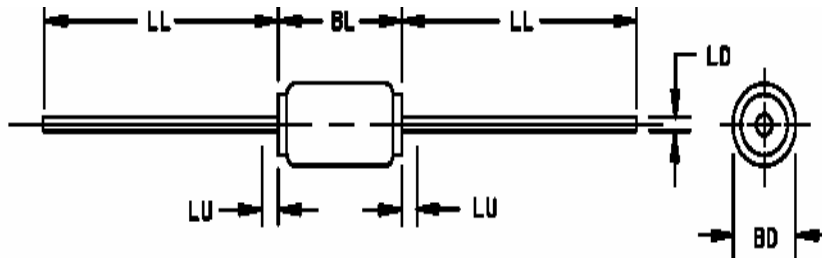
CONFIGURATION: Zener 5W Voltage Regulator

-All ratings are @ $T_c = 25\text{ }^\circ\text{C}$ unless otherwise specified.

-Operating $-55\text{ }^\circ\text{C}$ to $+175\text{ }^\circ\text{C}$ and storage $-65\text{ }^\circ\text{C}$ to $+175\text{ }^\circ\text{C}$

MAXIMUM RATINGS / ELECTRICAL CHARACTERISTICS	SYMBOL	VALUE	UNITS
MIN ZENER VOLTAGE	Min V_Z	15.2	Vdc
MAX ZENER VOLTAGE	Max V_Z	16.8	Vdc
TEST CURRENT	I_Z	75	mAmps dc
MAXIMUM IMPEDENCE	Max Z_Z	3.5	ohm
REVERSE VOLTAGE	V_R	12.2	Vdc
MAXIMUM REVERSE CURRENT	Max I_{R1}	5	uAmps dc
MAXIMUM KNEE IMPEDENCE	Max Z_K	155	ohm
MAXIMUM VOLTAGE REGULATION	Max $V_Z(\text{reg})$	1.1	Vdc
MAXIMUM TEMPERATURE COEFFICIENT	αV_Z	0.08	%/ $^\circ\text{C}$
POWER DISSIPATION	POWER	5	Watts

MECHANICAL DIMENSIONS, Zener 5W Package: In Inches / mm



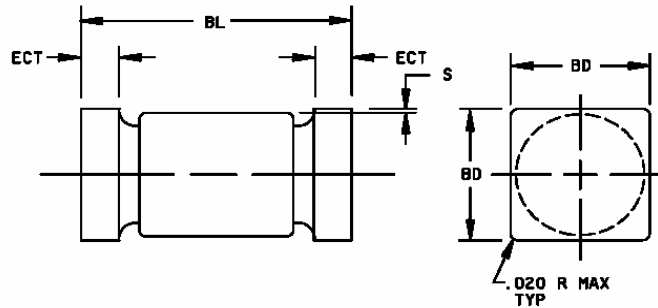
Ltr	Dimensions				Notes
	Inches		Millimeters		
	Min	Max			
BL	.130	.300	3.30	4.95	
BD	.090	.145	2.92	4.70	
LL	1.00	1.300	25.40	33.02	
LU		.050		1.27	4
LD	.037	.043	0.94	1.89	3

SENSITRON
SEMICONDUCTOR

1N4963/1N4963US
JAN1N4963/JAN1N4963US
JANTX1N4963/JANTX1N4963US
JANTXV1N4963/JANTXV1N4963US

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MECHANICAL DIMENSIONS, Zener 5W Melf Package: In Inches / mm



Ltr	Dimensions			
	Inches		Millimeters	
	Min	Max	Min	Max
BL	.200	.225	5.08	5.72
ECT	.019	.028	0.48	0.71
S	.003	- - -	0.08	- - -
BD	.137	.148	3.48	3.76

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