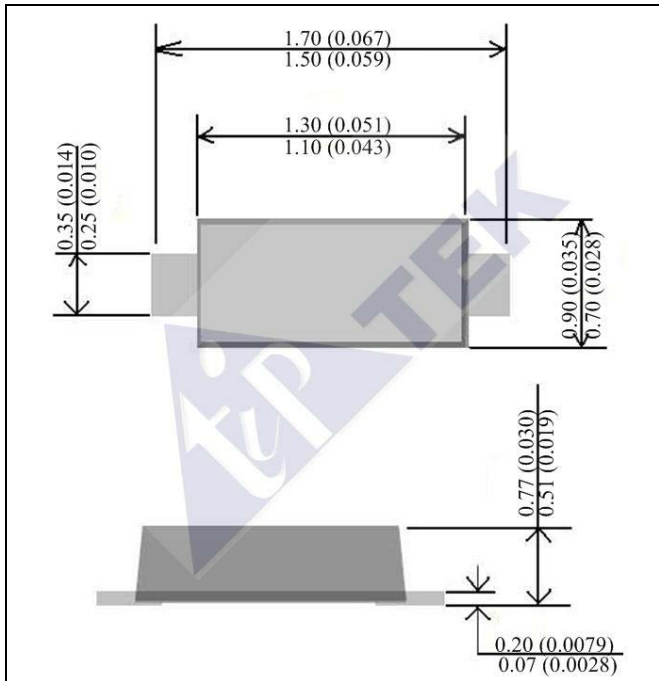


150mW SURFACE MOUNT ZENER DIODES



CASE : SOD-523

DIMENSIONS IN MILLIMETERS AND (INCHES)

FEATURES

- PLANAR DIE CONSTRUCTION
- 150mW POWER DISSIPATION
- ZENER VOLTAGES FROM 2.4~36V
- IDEALLY SUITED FOR AUTOMATED ASSEMBLY PROCESSES

MECHANICAL DATA

- CASE: SOD-523, MOLDED PLASTIC
- TERMINALS: SOLDERABLE PER MIL-STD-202, METHOD 208
- POLARITY: SEE DIAGRAM BELOW
- APPROX. WEIGHT: 1.696 mg
- Pb-Free : EDZ2.4B~ EDZS36B
Halogen Free: EDZ2.4B-H~ EDZS36B -H

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

RATINGS AT 25°-C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED

PARAMETER	SYMBOL	VALUE	UNITS
MAXIMUM POWER DISSIPATION AT 25°C (NOTE 1)	P_D	150	mW
JUNCTION TEMPERATURE	T_J	150	°C
STORAGE TEMPERATURE RANGE	T_{STG}	-55 to +150	°C

NOTE: 1. VALID PROVIDED THAT DEVICE TERMINALS ARE KEPT AT AMBIENT TEMPERATURE.

Part Number	Nominal Zener Voltage		Max. Zener Impedance				Max Reverse Leakage Current	
	V_Z		$Z_{ZT} @ I_{ZT}$		$Z_{ZK} @ I_{ZK}$		$I_R @ V_R$	
	Min. V	Max. V	Ω	mA	Ω	mA	μA	V
EDZ2.4B	2.43	2.63	100	5.0	1000	0.50	100.0	1.0
EDZ2.7B	2.69	2.91	110	5.0	1000	0.50	100.0	1.0
EDZ3.0B	3.01	3.22	120	5.0	100	0.50	50.0	1.0
EDZ3.3B	3.32	3.53	120	5.0	1000	0.50	20.0	1.0
EDZ3.6B	3.60	3.85	100	5.0	1000	1.00	10.0	1.0
EDZ3.9B	3.89	4.16	100	5.0	1000	1.00	5.0	1.0
EDZ4.3B	4.17	4.43	100	5.0	1000	1.00	5.0	1.0
EDZ4.7B	4.55	4.75	100	5.0	800	0.50	2.0	1.0
EDZ5.1B	4.98	5.20	80	5.0	500	0.50	2.0	1.5
EDZ5.6B	5.49	5.73	60	5.0	200	0.50	1.0	2.5
EDZ6.2B	6.06	6.33	60	5.0	100	0.50	1.0	3.0
EDZ6.8B	6.65	6.93	40	5.0	60	0.50	0.5	3.5
EDZ7.5B	7.25	7.60	30	5.0	60	0.50	0.5	4.0
EDZ8.2B	8.02	8.36	30	5.0	60	0.50	0.5	5.0
EDZ9.1B	8.85	9.23	30	5.0	60	0.50	0.5	6.0
EDZ10B	9.77	10.21	30	5.0	60	0.50	0.1	7.0
EDZ11B	10.76	11.22	30	5.0	60	0.50	0.1	8.0
EDZ12B	11.74	12.24	30	5.0	80	0.50	0.1	9.0
EDZ13B	12.91	13.49	37	5.0	80	0.50	0.1	10.0
EDZ15B	14.34	14.98	42	5.0	80	0.50	0.1	11.0
EDZ16B	15.85	16.51	50	5.0	80	0.50	0.1	12.0
EDZ18B	17.56	18.35	65	5.0	80	0.50	0.1	13.0
EDZ20B	19.52	20.39	85	5.0	100	0.50	0.1	15.0
EDZ22B	21.54	22.47	100	5.0	100	0.50	0.1	17.0
EDZ24B	23.72	24.78	120	5.0	120	0.50	0.1	19.0
EDZ27B	26.19	27.53	150	5.0	150	0.50	0.1	21.0
EDZ30B	29.19	30.69	200	5.0	200	0.50	0.1	23.0
EDZ33B	32.15	33.79	250	5.0	250	0.50	0.1	25.0
EDZ36B	35.07	36.87	300	5.0	300	0.50	0.1	27.0

