



KHEL

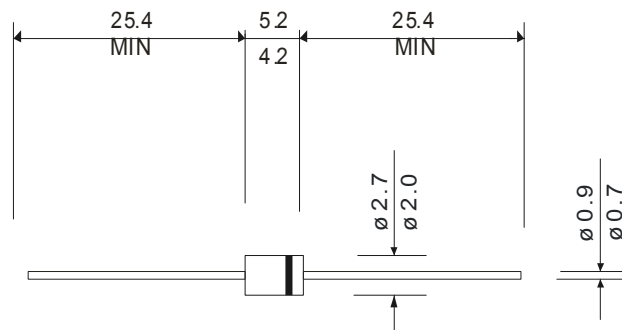
Khandelwal Herrmann Electronics Limited

Voltage : 9.1 - 200 Volts
Current : 500 mW
**TECHNICAL SPECIFICATIONS OF 1 AMPERE ZENER DIODES
TYPE KHZ - 91V TO KHZ - 200V**
FEATURES

- Low Cost
- Low Leakage
- Low Forward Voltage Drop
- High Surge Current Capability

MECHANICAL DATA

- Case : Moulded Plastic DO-41
- Epoxy : UL94V-0 Rated Flame Retardant
- Lead : Solderable As Per MIL STD 202E
Method 208C Guranted
- Mounting Position : Any
- Weight : 0.3 gms



Dimensions In MM

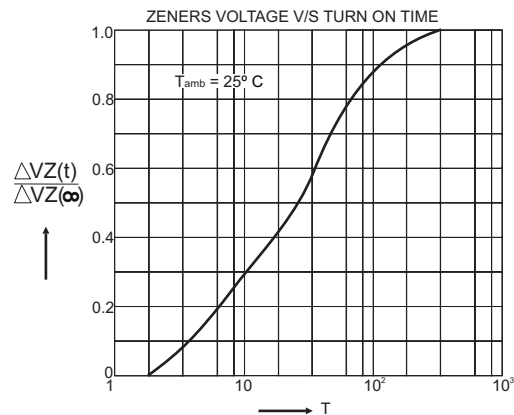
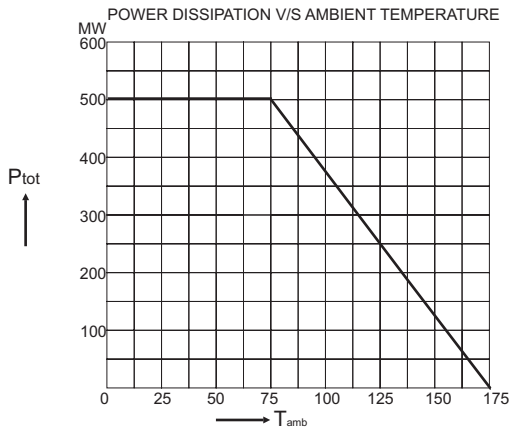
DO - 41
MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

TYPES	SYMBOL	RATING	UNIT	CONDITION
Power Dissipation	P_{tot}	500	mW	$T_{amb} = 75^{\circ}C$
Zener Voltage Range	V_Z	9.1 to 200	V	On Request
Tolerance	KHZA	1	%	
	KHQB	2		
	KHZC	5		
	KHZD	10		
	KHZE	20		
Forward Voltage Drop	V_F	1.1	V	$25^{\circ}C$; $I_F = 200mA$
Maximum Junction Temperature	t_J	175	$^{\circ}C$	
Maximum Storage Temperature	T_S	-55 to 175	$^{\circ}C$	
Thermal Resistance Junction To Ambient	R_{thJA}	200	$^{\circ}C/W$	

KHEL Type 5% Tolerance	SGS Thompson Equivalent	VZT / IZT (Nom) (V) mA	8 VZ (Max) 10-4 / ° C	IR @ VR (Max) Tamb 25° C µA / V	IZM Tamb 75° C (mA)
KH ZC 9V1	1N 5239 B	9.1 / 20	+ 6.8	3 / 7	50
KH ZC 10	1N 5240 B	10 / 20	+ 7.5	3 / 8	45
KH ZC 11	1N 5241 B	11 / 20	+ 7.6	2 / 8.4	41
KH ZC 12	1N 5242 B	12 / 20	+ 7.7	1 / 9.1	38
KH ZC 13	1N 5243 B	13 / 9.5	+ 7.9	0.5 / 9.9	35
KH ZC 14	1N 5244 B	14 / 9.0	+ 8.2	0.1 / 10	32
KH ZC 15	1N 5245 B	15 / 8.5	+ 8.2	0.1 / 11	30
KH ZC 16	1N 5246 B	16 / 7.8	+ 8.3	0.1 / 12	38
KH ZC 18	1N 5248 B	18 / 7.0	+ 8.5	0.1 / 14	26
KH ZC 20	1N 5250 B	20 / 5.2	+ 8.6	0.1 / 17	23
KH ZC 22	1N 5251 B	22 / 5.6	+ 8.7	0.1 / 18	21
KH ZC 24	1N 5252 B	24 / 5.2	+ 8.8	0.1 / 19	19.1
KH ZC 27	1N 5254 B	27 / 4.6	+ 9.0	0.1 / 21	16.8
KH ZC 30	1N 5256 B	30 / 4.2	+ 9.1	0.1 / 25	15.1
KH ZC 33	1N 5257 B	33 / 3.8	+ 9.2	0.1 / 27	13.8
KH ZC 36	1N 5258 B	36 / 3.4	+ 9.3	0.1 / 30	12.6
KH ZC 39	1N 5259 B	39 / 3.2	+ 9.4	0.1 / 33	11.5
KH ZC 43	1N 5260 B	43 / 3.0	+ 9.5	0.1 / 36	10.6
KH ZC 47	1N 5261 B	47 / 2.7	+ 9.5	0.1 / 39	9.7
KH ZC 51	1N 5262 B	51 / 2.5	+ 9.6	0.1 / 43	8.9

HIGHER VOLTAGES AVAILABLE ON REQUEST

RATING AND CHARACTERISTIC CURVE (KHZC-9.1 TO KHZC-200)



Khandelwal Herrmann Electronics Limited

Works : Plot-101, Sector-II, Pithampur 454-775, (MP), India. Phone : 91-7292-252-346

Office : 502, Puja Enclave, 16, Sanghi Colony, Indore 452-018, (MP), India. Phone : 91-731-255-0329 / 257-4218 Fax : 91-731-255-3827

E-mail : khel@khelin.com

http://www.khelelectronics.com