



FEATURES

MiniMELF case especially for automatic insertion. The Zener voltages are graded according to the international E24 standard. Smaller voltage tolerances and higher Zener voltages are upon request. These diodes are also available in DO-35 case with the type designation BZX55C...



LL-34

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Power Dissipation	P_{tot}	500 ¹⁾	mW
Junction Temperature	T_j	175	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 175	$^\circ\text{C}$
¹⁾ Valid provided that electrodes are kept at ambient temperature			

Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Max.	Unit
Thermal Resistance Junction to Ambient Air	R_{thA}	0.3 ¹⁾	K/mW
Forward Voltage at $I_F = 100\text{ mA}$	V_F	1	V
¹⁾ Valid provided that electrodes are kept at ambient temperature			



Characteristics at $T_a = 25\text{ }^{\circ}\text{C}$

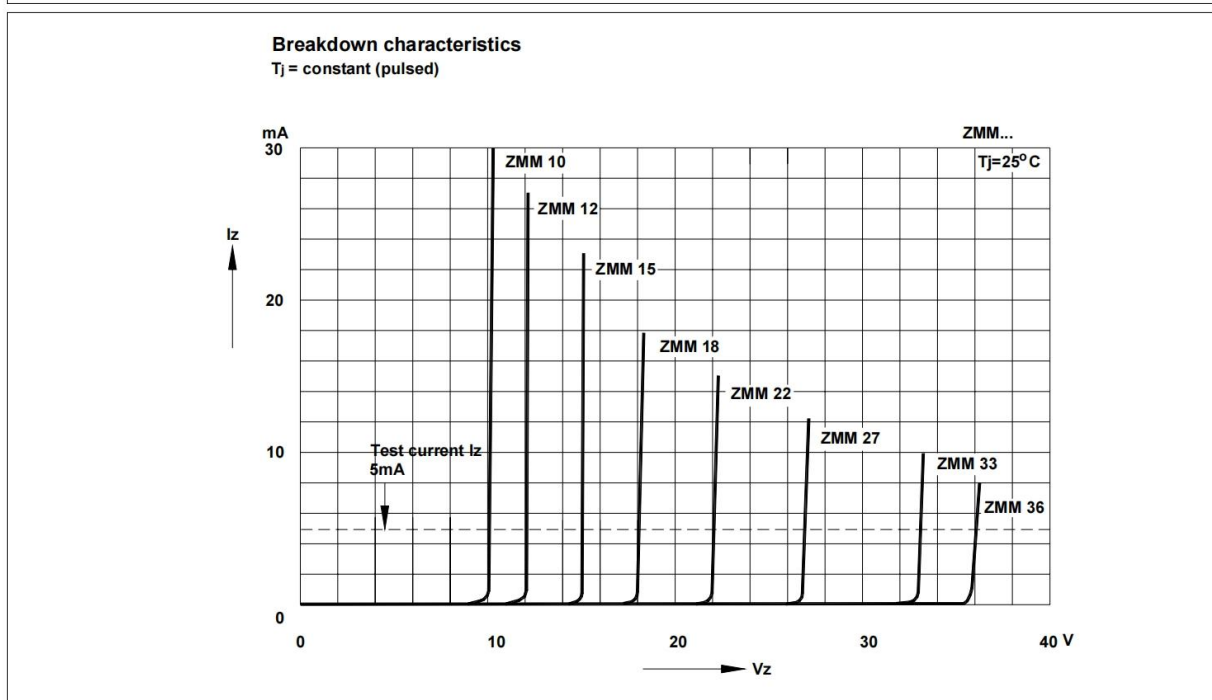
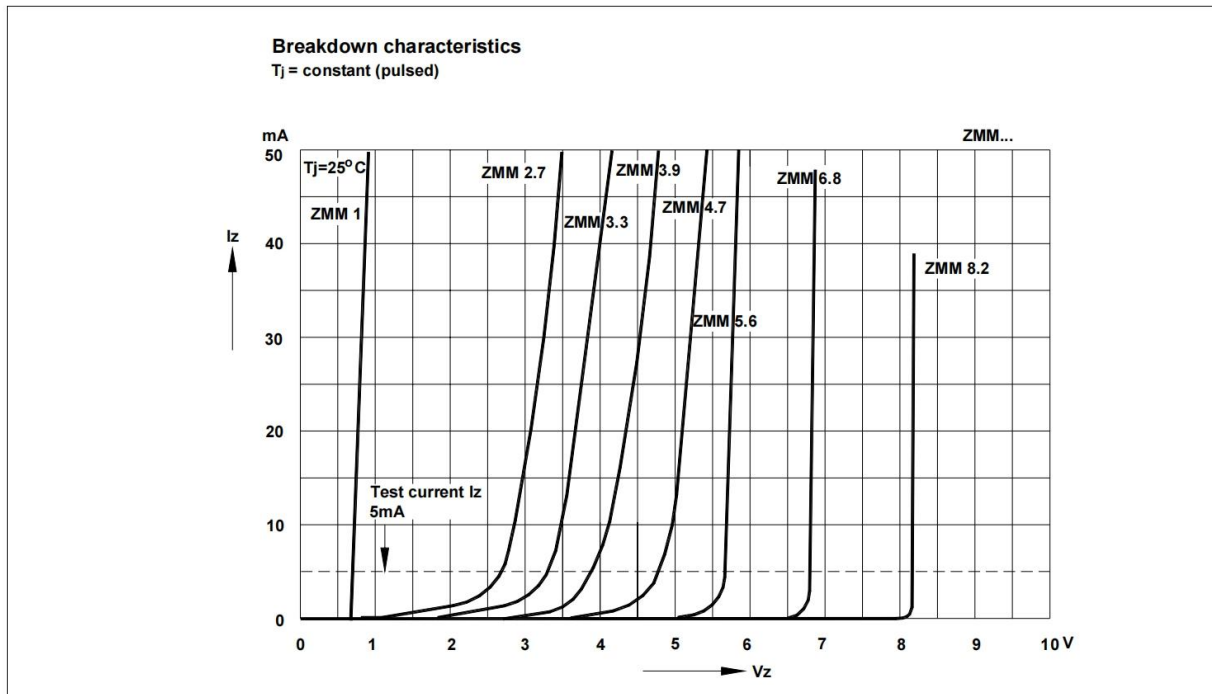
Type	Zener Voltage Range ¹⁾			Dynamic Resistance			Reverse Leakage Current			Temp. Coefficient of Zener Voltage TKvz (%/K)
	V_{Znom}	V_{ZT}	at I_{ZT}	Z_{ZT}	Z_{ZK}	at I_{ZK}	$T_a = 25\text{ }^{\circ}\text{C}$	$T_a = 125\text{ }^{\circ}\text{C}$	at V_R	
	(V)	(V)	(mA)	Max. (Ω)	Max. (Ω)	(mA)	Max. (μA)	Max. (μA)	(V)	
ZMM1 ²⁾	0.75	0.7...0.8	5	8	50	1	-	-	-	-0.26...-0.23
ZMM2V0	2	1.8...2.15	5	85	600	1	100	200	1	-0.09...-0.06
ZMM2V2	2.2	2.08...2.33	5	85	600	1	75	160	1	-0.09...-0.06
ZMM2V4	2.4	2.28...2.56	5	85	600	1	50	100	1	-0.09...-0.06
ZMM2V7	2.7	2.5...2.9	5	85	600	1	10	50	1	-0.09...-0.06
ZMM3V0	3	2.8...3.2	5	85	600	1	4	40	1	-0.08...-0.05
ZMM3V3	3.3	3.1...3.5	5	85	600	1	2	40	1	-0.08...-0.05
ZMM3V6	3.6	3.4...3.8	5	85	600	1	2	40	1	-0.08...-0.05
ZMM3V9	3.9	3.7...4.1	5	85	600	1	2	40	1	-0.08...-0.05
ZMM4V3	4.3	4...4.6	5	75	600	1	1	20	1	-0.06...-0.03
ZMM4V7	4.7	4.4...5	5	60	600	1	0.5	10	1	-0.05...+0.02
ZMM5V1	5.1	4.8...5.4	5	35	550	1	0.1	2	1	-0.02...+0.02
ZMM5V6	5.6	5.2...6	5	25	450	1	0.1	2	1	-0.05...+0.05
ZMM6V2	6.2	5.8...6.6	5	10	200	1	0.1	2	2	0.03...0.06
ZMM6V8	6.8	6.4...7.2	5	8	150	1	0.1	2	3	0.03...0.07
ZMM7V5	7.5	7...7.9	5	7	50	1	0.1	2	5	0.03...0.07
ZMM8V2	8.2	7.7...8.7	5	7	50	1	0.1	2	6.2	0.03...0.08
ZMM9V1	9.1	8.5...9.6	5	10	50	1	0.1	2	6.8	0.03...0.09
ZMM10	10	9.4...10.6	5	15	70	1	0.1	2	7.5	0.03...0.1
ZMM11	11	10.4...11.6	5	20	70	1	0.1	2	8.2	0.03...0.11
ZMM12	12	11.4...12.7	5	20	90	1	0.1	2	9.1	0.03...0.11
ZMM13	13	12.4...14.1	5	26	110	1	0.1	2	10	0.03...0.11
ZMM15	15	13.8...15.6	5	30	110	1	0.1	2	11	0.03...0.11
ZMM16	16	15.3...17.1	5	40	170	1	0.1	2	12	0.03...0.11
ZMM18	18	16.8...19.1	5	50	170	1	0.1	2	13	0.03...0.11
ZMM20	20	18.8...21.2	5	55	220	1	0.1	2	15	0.03...0.11
ZMM22	22	20.8...23.3	5	55	220	1	0.1	2	16	0.04...0.12
ZMM24	24	22.8...25.6	5	80	220	1	0.1	2	18	0.04...0.12
ZMM27	27	25.1...28.9	5	80	220	1	0.1	2	20	0.04...0.12
ZMM30	30	28...32	5	80	220	1	0.1	2	22	0.04...0.12
ZMM33	33	31...35	5	80	220	1	0.1	2	24	0.04...0.12
ZMM36	36	34...38	5	80	220	1	0.1	2	27	0.04...0.12
ZMM39	39	37...41	2.5	90	500	0.5	0.1	5	30	0.04...0.12
ZMM43	43	40...46	2.5	90	500	0.5	0.1	5	33	0.04...0.12
ZMM47	47	44...50	2.5	110	600	0.5	0.1	5	36	0.04...0.12
ZMM51	51	48...54	2.5	125	700	0.5	0.1	10	39	0.04...0.12
ZMM56	56	52...60	2.5	135	700	0.5	0.1	10	43	0.04...0.12
ZMM62	62	58...66	2.5	150	1000	0.5	0.1	10	47	0.04...0.12
ZMM68	68	64...72	2.5	200	1000	0.5	0.1	10	51	0.04...0.12
ZMM75	75	70...79	2.5	250	1000	0.5	0.1	10	56	0.04...0.12

¹⁾ Tested with pulses $t_p = 20\text{ ms}$.

²⁾ The ZMM1 is a silicon diode with operation in forward direction. Hence, the index of all parameters should be "F" instead of "Z". Connect the cathode electrode to the negative pole.



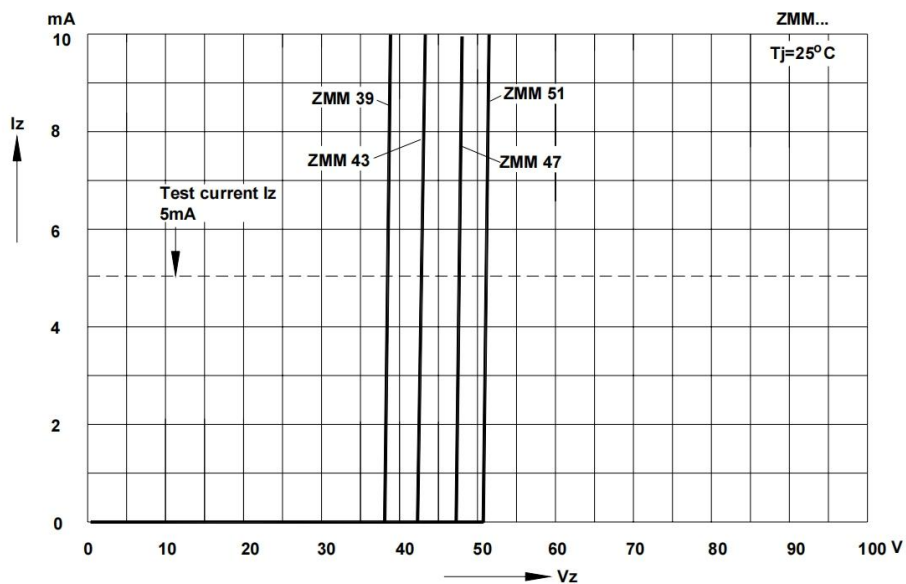
Typical Characteristics



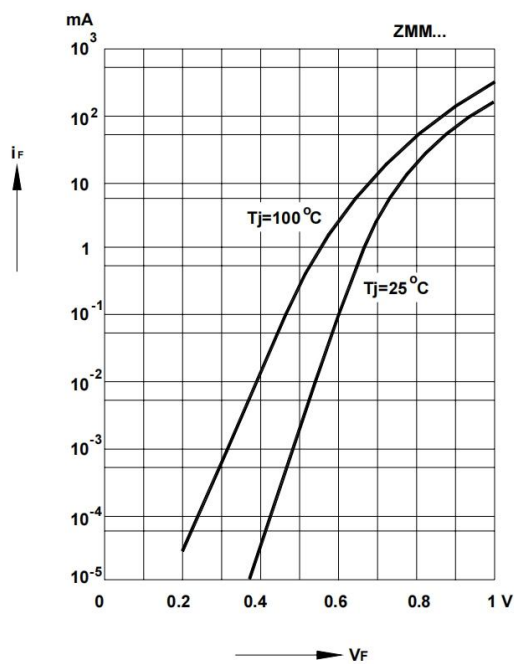


Breakdown characteristics

$T_j = \text{constant (pulsed)}$

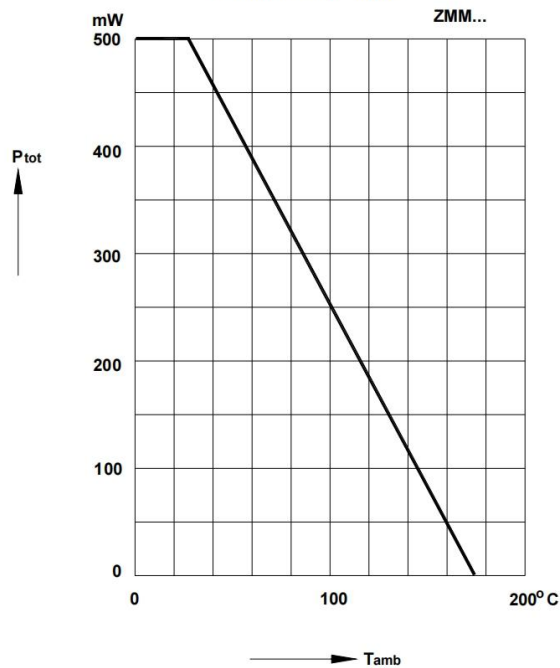


Forward characteristics



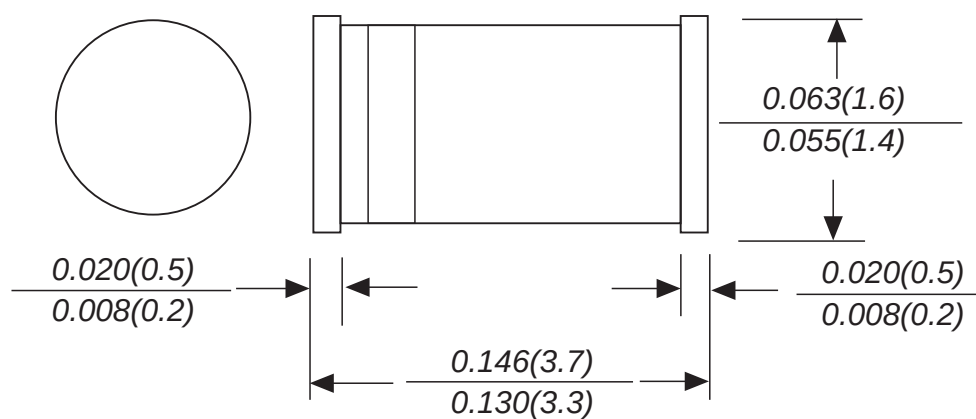
Admissible power dissipation versus ambient temperature

Valid provided that electrodes are kept at ambient temperature.





LL-34 Package Information



Dimensions in inches and (millimeters)



Attention

- Any and all HUA XUAN YANG ELECTRONICS products described or contained herein do not have specifications that can handle applications that require extremely high levels of reliability, such as life-support systems, aircraft's control systems, or other applications whose failure can be reasonably expected to result in serious physical and/or material damage. Consult with your HUA XUAN YANG ELECTRONICS representative nearest you before using any HUA XUAN YANG ELECTRONICS products described or contained herein in such applications.
- HUA XUAN YANG ELECTRONICS assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all HUA XUAN YANG ELECTRONICS products described or contained herein.
- Specifications of any and all HUA XUAN YANG ELECTRONICS products described or contained herein stipulate the performance, characteristics, and functions of the described products in the independent state, and are not guarantees of the performance, characteristics, and functions of the described products as mounted in the customer's products or equipment. To verify symptoms and states that cannot be evaluated in an independent device, the customer should always evaluate and test devices mounted in the customer's products or equipment.
- HUA XUAN YANG ELECTRONICS CO.,LTD. strives to supply high-quality high-reliability products. However, any and all semiconductor products fail with some probability. It is possible that these probabilistic failures could give rise to accidents or events that could endanger human lives, that could give rise to smoke or fire, or that could cause damage to other property. When designing equipment, adopt safety measures so that these kinds of accidents or events cannot occur. Such measures include but are not limited to protective circuits and error prevention circuits for safe design, redundant design, and structural design.
- In the event that any or all HUA XUAN YANG ELECTRONICS products(including technical data, services) described or contained herein are controlled under any of applicable local export control laws and regulations, such products must not be exported without obtaining the export license from the authorities concerned in accordance with the above law.
- No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or any information storage or retrieval system, or otherwise, without the prior written permission of HUA XUAN YANG ELECTRONICS CO.,LTD.
- Information (including circuit diagrams and circuit parameters) herein is for example only ; it is not guaranteed for volume production. HUA XUAN YANG ELECTRONICS believes information herein is accurate and reliable, but no guarantees are made or implied regarding its use or any infringements of intellectual property rights or other rights of third parties.
- Any and all information described or contained herein are subject to change without notice due to product/technology improvement, etc. When designing equipment, refer to the "Delivery Specification" for the HUA XUAN YANG ELECTRONICS product that you intend to use.

单击下面可查看定价，库存，交付和生命周期等信息

[>>HXY MOSFET \(华轩阳电子\)](#)