

# ZPD2.7 THRU ZPD51 SILICON PLANAR ZENER DIODES

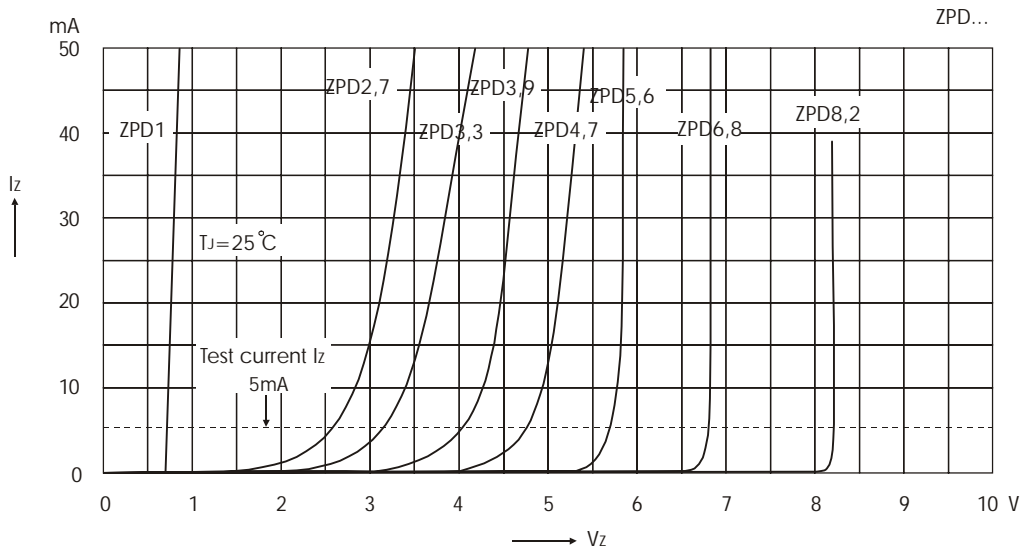
Type	Zener Voltage range <sup>1)</sup>			Dynamic resistance			Temp. coeff. of Zener Volt at I <sub>Z</sub> =5mA $\alpha_{VZ} \cdot 10^{-4}/K$	Reverse Voltage at I=100nA Min. V <sub>R</sub> (V)	Admissible Zener Current at	
	V <sub>ZNOM</sub>	I <sub>Z</sub> for V <sub>Z</sub> <sup>3)</sup>		r <sub>ZT</sub> and r <sub>ZK</sub> at I <sub>Z</sub>					I <sub>Z</sub> mA	I <sub>Z</sub> mA
	V	mA	V	Ω	Ω	mA			I <sub>Z</sub> mA	I <sub>Z</sub> mA
ZPD2.7	2.7	5	2.5...2.9	<83	<50	1	-9...-4	0.8	135	160
ZPD3	3.0		2.8...3.2	<95	<500		-9...-3		117	140
ZPD3.3	3.3		3.1...3.5				-8...-3		109	130
ZPD3.6	3.6		3.4...3.8				-8...-3		101	120
ZPD3.9	3.9		3.7...4.1				-7...-3		92	110
ZPD4.3	4.3		4.0...4.6				-6...-1		85	100
ZPD4.7	4.7		4.4...5.0				<78		-5...+2	76
ZPD5.1	5.1		4.8...5.4				<60	<480	-3...+4	67
ZPD5.6	5.6		5.2...6.0	<40	<400		-2...+6	1	59	70
ZPD6.2	6.2		5.8...6.6	<10	<200		-1...+7	2	54	64
ZPD6.8	6.8		6.4...7.2	<8	<150		+2...+7	3	49	58
ZPD7.5	7.5		7.0...7.9	<7	<50		+3...+7	5	44	53
ZPD8.2	8.2		7.7...8.7	<7			+4...+7	6	40	47
ZPD9.1	9.1		8.5...9.6	<10			+5...+8	7	36	43
ZPD10	10		9.4...10.6	<15	<70		+5...+8	7.5	33	40
ZPD11	11		10.4...11.6	<20	<70		+5...+9	8.5	30	36
ZPD12	12		11.4...12.7	<20	<90		+6...+9	9	28	32
ZPD13	13		12.4...14.1	<25	<110		+7...+9	10	25	29
ZPD15	15		13.8...15.6	<30	<110		+7...+9	11	23	27
ZPD16	16		15.3...17.1	<40	<170		+8...+9.5	12	20	24
ZPD18	18		16.8...19.1	<50	<170		+8...+9.5	13	18	21
ZPD20	20		18.8...21.2	<50	<220		+8...+10	15	17	20
ZPD22	22		20.8...23.3	<55			+8...+10	16	16	18
ZPD24	24		22.8...25.6	<80	<250		+8...+10	18	13	16
ZPD27	27		25.1...28.9				+8...+10	20	12	14
ZPD30	30		28...32				+8...+10	22.5	10	13
ZPD33	33		31...35				+8...+10	25	9	12
ZPD36	36	34...38	<90	+8...+10	27	9	11			
ZPD39	39	37...41	<90	<300	+10...+12	29	8	10		
ZPD43	43	40...46	<100	<700	+10...+12	32	7	9.2		
ZPD47	47	44...50	<100	<750	+10...+12	35	6	8.5		
ZPD51	51	48...54	<100	<750	+10...+12	38	6	7.8		

1) Tested with pulse tp=20ms

2) Valid provided that leads are kept at ambient temperature at a distance of 8mm from case

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## BREAKDOWN CHARACTERISTICS AT $T_J = \text{CONSTANT}$ (PULSED)



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