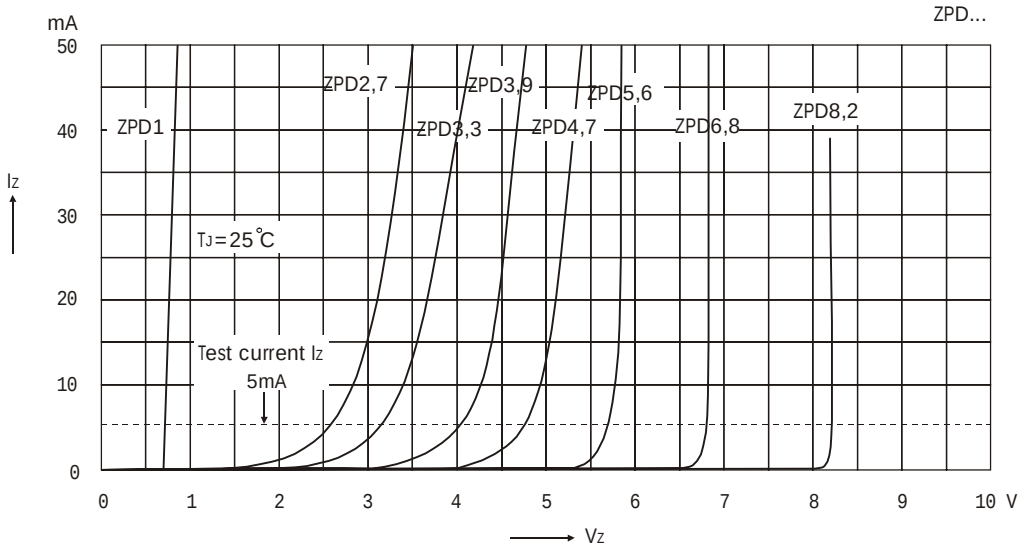
ZPD2.7 THRU ZPD51 SILICON PLANAR ZENER DIODES

Type	Zener Voltage range [1]			Dynamic resistance			Temp. coeff. of Zener Volt at I_Z=5mA	Reverse Voltage at I=100nA Min.	Admissible Zener Current at	
	V_{ZNOM}	I_{ZT} for V_{ZT} [3]		r_{zjt} and r_{zjk} at I_{zk}					Tamb = 45°C	Tamb = 25°C
	V	mA	V	Ω	Ω	mA	α_{VZ} 10^{-4}/K	V_R(V)	I_Z mA	I_Z mA
ZPD2.7	2.7	5	2.5...2.9	<83	<50	1	-9...-4		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	90
ZPD5.1	5.1		4.8...5.4	<60	<480		-3...+4	0.8	67	80
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			+8...+10	18	13	16
ZPD27	27		25.1...28.9		<250		+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

BREAKDOWN CHARACTERISTICS AT T_J= CONSTANT (PULSED)



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