


SPECIFICATIONS

Customer	
Product Name	贴片稳压二极管
Oyd Part	OYD2V0T1-OYD75VT1
Package	SOD-123

Approved By	Checked By	Issued By
_____	_____	

Shenzhen Ouyada Electronics Co., Ltd.

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【For Customer approval Only】 Date: _____

Qualification Status: Full Restricted Rejected

Approved By	Verified By	Re-checked By	Checked By

Comments: _____



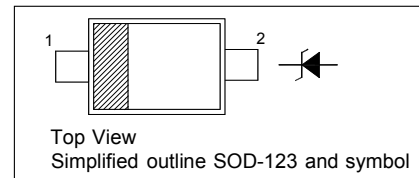
OYD2V0TI~OYD75VT1

Features

- Total power dissipation: max. 500 mW
- Small plastic package suitable for surface mounted design
- Tolerance approximately $\pm 5\%$

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



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

Parameter	Symbol	Value	Unit
Power Dissipation	P_{tot}	500	mW
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_s	- 55 to + 150	$^\circ\text{C}$

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

Parameter	Symbol	Max.	Unit
Thermal Resistance Junction to Ambient Air	R_{thA}	340	$^\circ\text{C/W}$
Forward Voltage at $I_F = 10\text{ mA}$	V_F	0.9	V



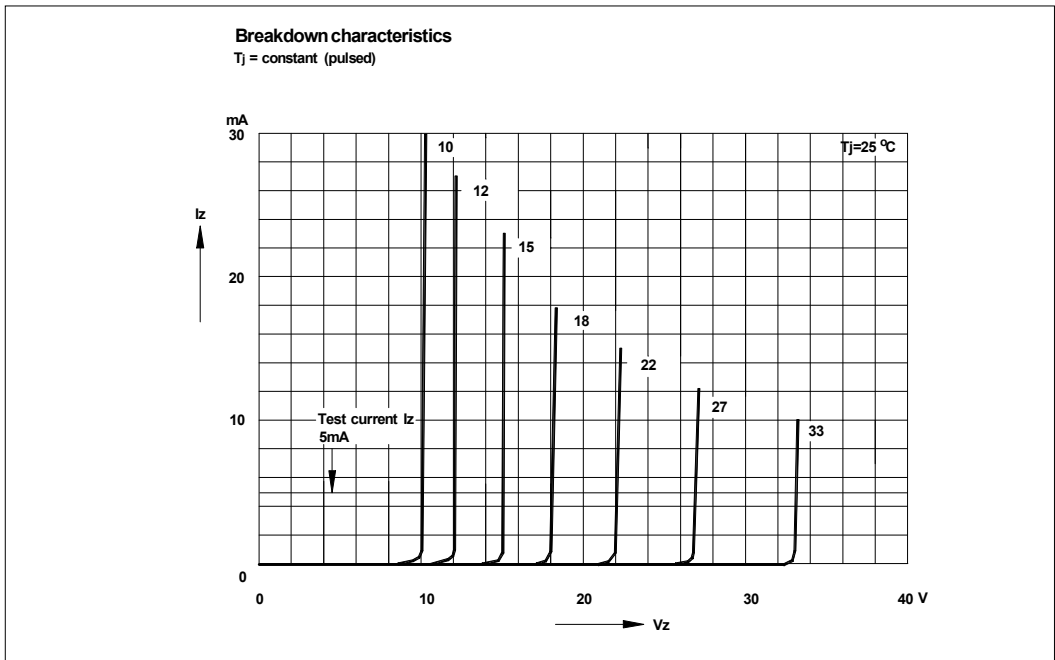
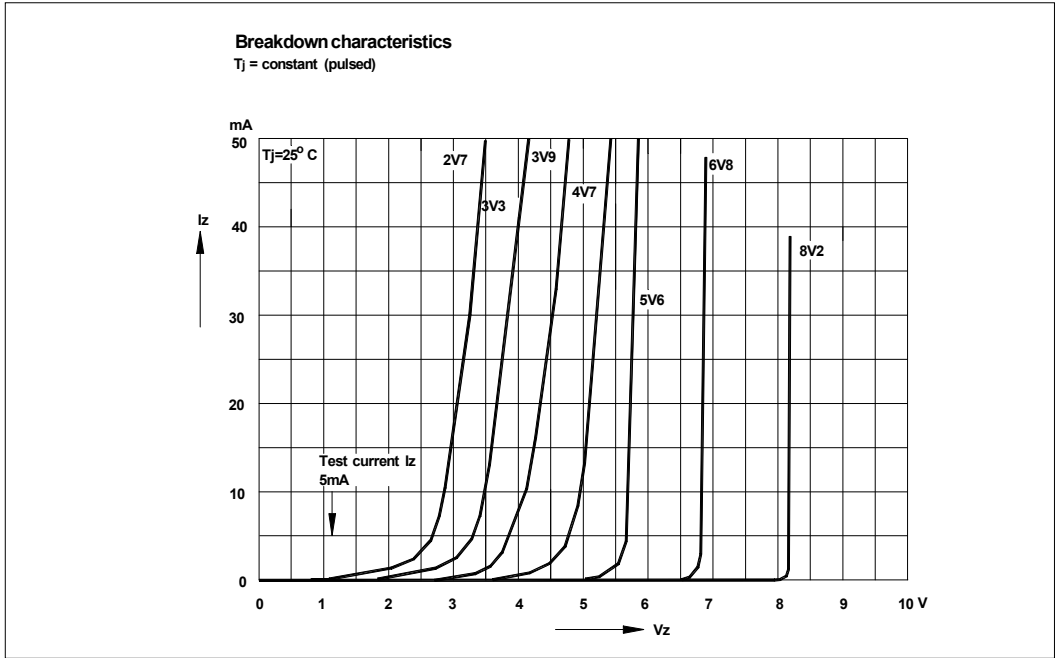
OYD2V0TI~OYD75VT1

Characteristics at $T_a = 25\text{ °C}$

Type	Marking Code	Zener Voltage Range ¹⁾			Dynamic Impedance ²⁾		Reverse Leakage Current	
		V_{znom} V	I_{ZT} mA	for V_{ZT} V	Z_{ZT} (Max.) Ω	at I_Z mA	I_R (Max.) μA	at V_R V
OYD2V0T1	4A	2.0	5	1.8...2.15	100	5	120	0.5
OYD2V2T1	4B	2.2	5	2.08...2.33	100	5	120	0.7
OYD2V4T1	C1	2.4	5	2.28...2.56	100	5	120	1
OYD2V7T1	C3	2.7	5	2.5...2.9	110	5	120	1
OYD3V0T1	C5	3.0	5	2.8...3.2	120	5	50	1
OYD3V3T1	D1	3.3	5	3.1...3.5	130	5	20	1
OYD3V6T1	D2	3.6	5	3.4...3.8	130	5	10	1
OYD3V9T1	D3	3.9	5	3.7...4.1	130	5	5	1
OYD4V3T1	D4	4.3	5	4...4.6	130	5	5	1
OYD4V7T1	D5	4.7	5	4.4...5	130	5	2	1
OYD5V1T1	E1	5.1	5	4.8...5.4	130	5	2	1.5
OYD5V6T1	E2	5.6	5	5.2...6	80	5	1	2.5
OYD6V2T1	E4	6.2	5	5.8...6.6	50	5	1	3
OYD6V8T1	E5	6.8	5	6.4...7.2	30	5	0.5	3.5
OYD7V5T1	F1	7.5	5	7...7.9	30	5	0.5	4
OYD8V2T1	F2	8.2	5	7.7...8.7	30	5	0.5	5
OYD9V1T1	F4	9.1	5	8.5...9.6	30	5	0.5	6
OYD10VT1	F5	10	5	9.4...10.6	30	5	0.1	7
OYD11VT1	H1	11	5	10.4...11.6	30	5	0.1	8
OYD12VT1	H2	12	5	11.4...12.7	35	5	0.1	9
OYD13VT1	H3	13	5	12.4...14.1	35	5	0.1	10
OYD15VT1	H5	15	5	13.8...15.6	40	5	0.1	11
OYD16VT1	J1	16	5	15.3...17.1	40	5	0.1	12
OYD18VT1	J3	18	5	16.8...19.1	45	5	0.1	13
OYD20VT1	J5	20	5	18.8...21.2	50	5	0.1	15
OYD22VT1	K1	22	5	20.8...23.3	55	5	0.1	17
OYD24VT1	K2	24	5	22.8...25.6	60	5	0.1	19
OYD27VT1	K4	27	5	25.1...28.9	70	2	0.1	21
OYD30VT1	M1	30	5	28...32	80	2	0.1	23
OYD33VT1	M2	33	5	31...35	80	2	0.1	25
OYD36VT1	M3	36	5	34...38	90	2	0.1	27
OYD39VT1	M4	39	2.5	37...41	100	2	2	30
OYD43VT1	M5	43	2.5	40...46	130	2	2	33
OYD47VT1	N1	47	2.5	44...50	150	2	2	36
OYD51VT1	N2	51	2.5	48...54	180	2	1	39
OYD56VT1	N3	56	2.5	52...60	180	2	1	43
OYD62VT1	N5	62	2.5	58...66	200	2	0.2	47
OYD68VT1	P1	68	2.5	64...72	250	2	0.2	52
OYD75VT1	P2	75	2.5	70...79	300	2	0.2	57

¹⁾ V_Z is tested with pulses (20 ms).

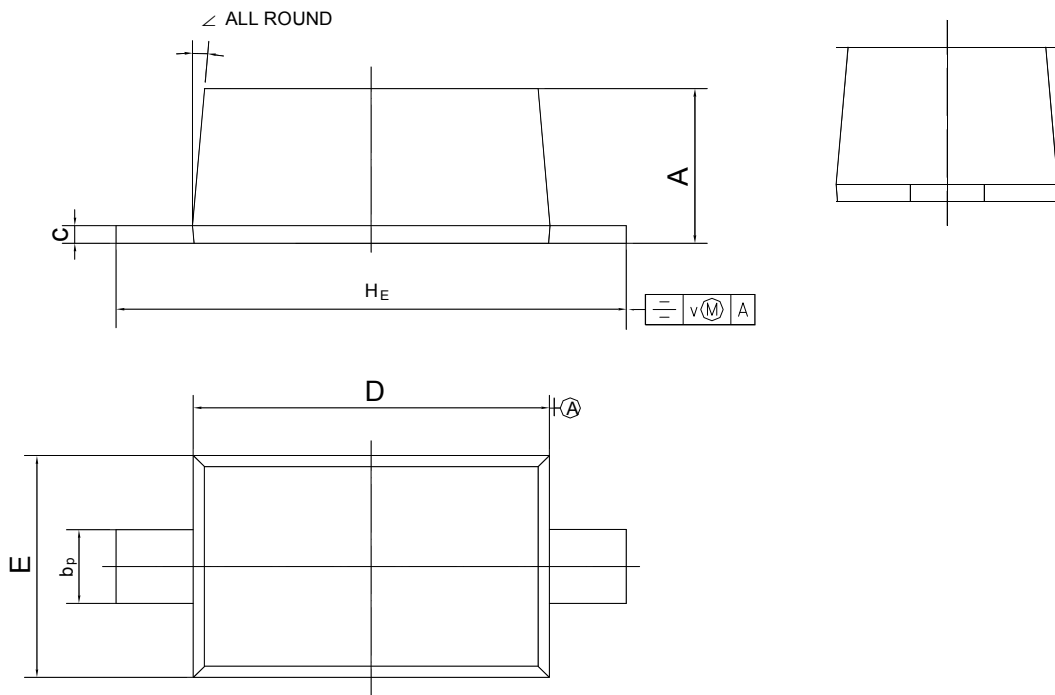
²⁾ Z_{ZT} is measured at I_Z by given a very small A.C. current signal.



PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123



UNIT	A	b _p	c	D	E	H _E	v	∠
mm	1.15 1.05	0.6 0.5	0.135 0.127	2.7 2.6	1.65 1.55	3.9 3.7	0.2	5°