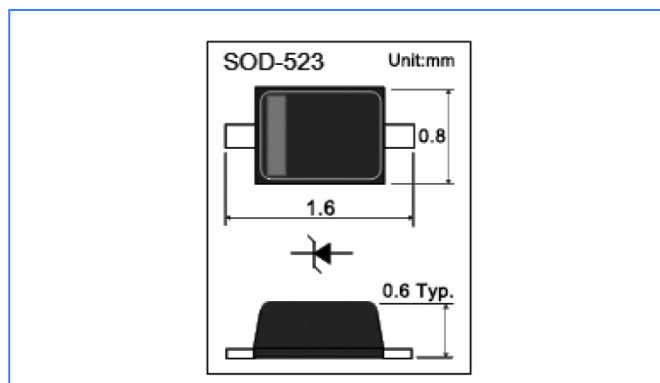


## Y5ZP2D2V4 THRU Y5ZP2D75

### FEATURES

- Constant Voltage control
- Wide Voltage Range Selection 2.4V to 75V
- SOD523 Thin SMD package
- RoHS compliant / Green EMC
- Matte Tin (Sn) Lead finish



### Absolute Maximum Ratings And Characteristics (Ta = 25 ° C)

Parameter	Symbol	Value	Unit
Power Dissipation	$P_d$	200	mW
Maximum Regulator Current	$I_{zM}$	$P_v/V_z$	mA
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_{stg}$	-55~+150	°C

### Electrical Characteristics (TA = 25 ° C)

Part Number	VZ <sup>*1</sup>			IZT	ZZT@IZT	ZZK@IZK	Izk	IR	VR
	Nom (V)	Min (V)	Max (V)	mA	Ω		(mA)	(uA)	(V)
Y5ZP2D2V4	2.4	2.20	2.60	5	100	600	1.0	50	1.0
Y5ZP2D2V7	2.7	2.5	2.9	5	100	600	1	20	1
Y5ZP2D3V0	3	2.8	3.2	5	95	600	1	10	1
Y5ZP2D3V3	3.3	3.1	3.5	5	95	600	1	5	1
Y5ZP2D3V6	3.6	3.4	3.8	5	90	600	1	5	1
Y5ZP2D3V9	3.9	3.7	4.1	5	90	600	1	3	1
Y5ZP2D4V3	4.3	4.0	4.6	5	90	600	1	3	1
Y5ZP2D4V7	4.7	4.4	5.0	5	80	500	1	3	2
Y5ZP2D5V1	5.1	4.8	5.4	5	60	480	1	2	2
Y5ZP2D5V6	5.6	5.2	6.0	5	40	400	1	1	2
Y5ZP2D6V2	6.2	5.8	6.6	5	10	150	1	3	4
Y5ZP2D6V8	6.8	6.4	7.2	5	15	80	1	2	4
Y5ZP2D7V5	7.5	7.0	7.9	5	15	80	1	1	5
Y5ZP2D8V2	8.2	7.7	8.7	5	15	80	1	0.7	5
Y5ZP2D9V1	9.1	8.5	9.6	5	15	100	1	0.5	6
Y5ZP2D10	10	9.4	10.6	5	20	150	1	0.2	7
Y5ZP2D11	11	10.4	11.6	5	20	150	1	0.1	8
Y5ZP2D12	12	11.4	12.7	5	25	150	1	0.1	8
Y5ZP2D13	13	12.4	14.1	5	30	170	1	0.1	8



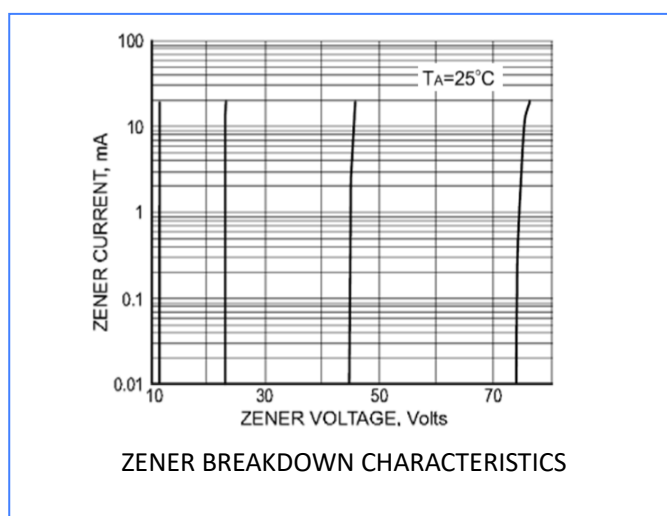
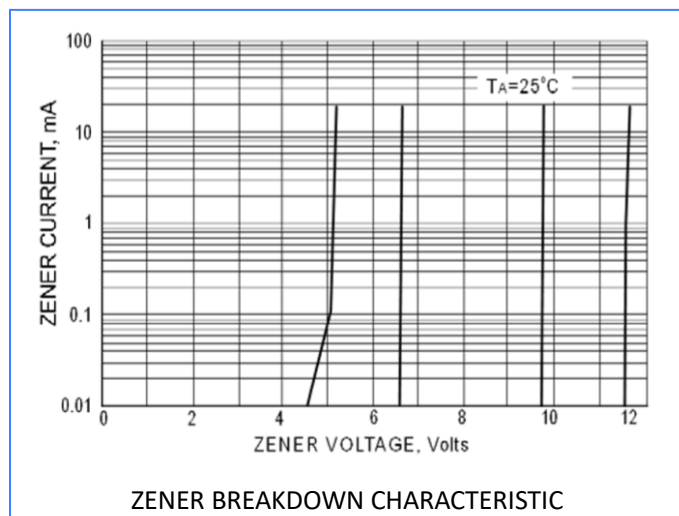
Trustworthy electronic circuit protection expert

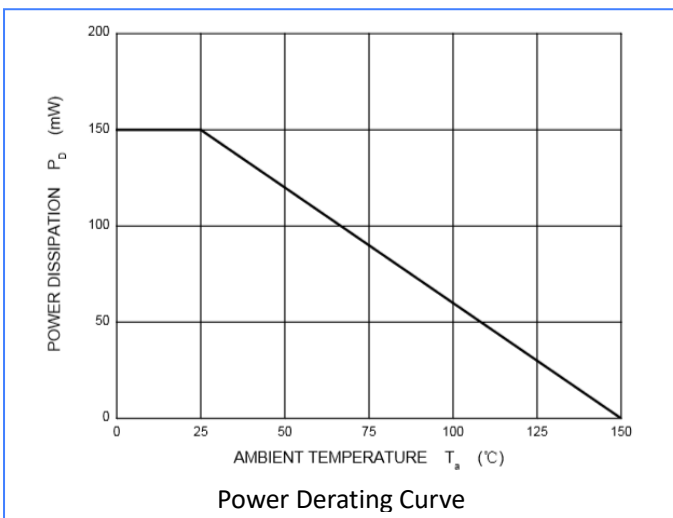
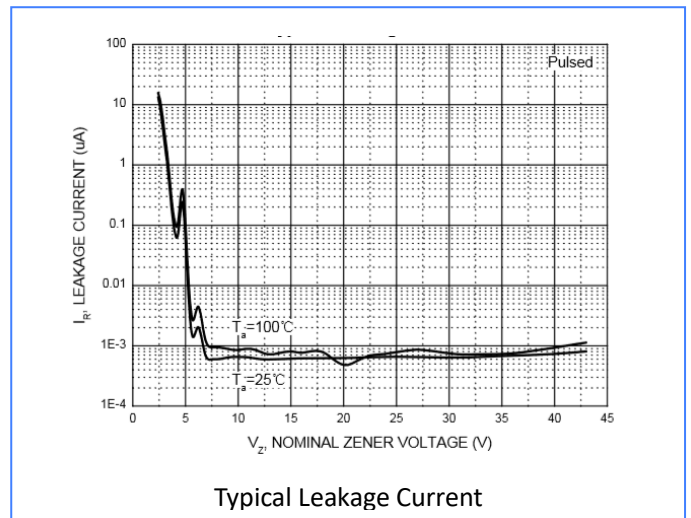
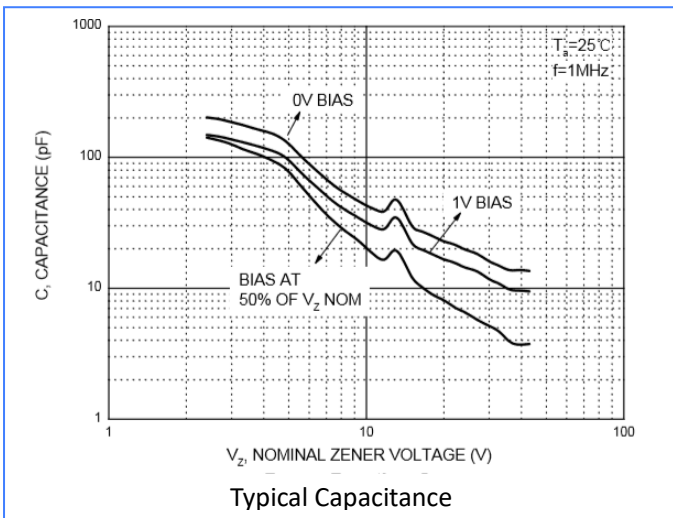
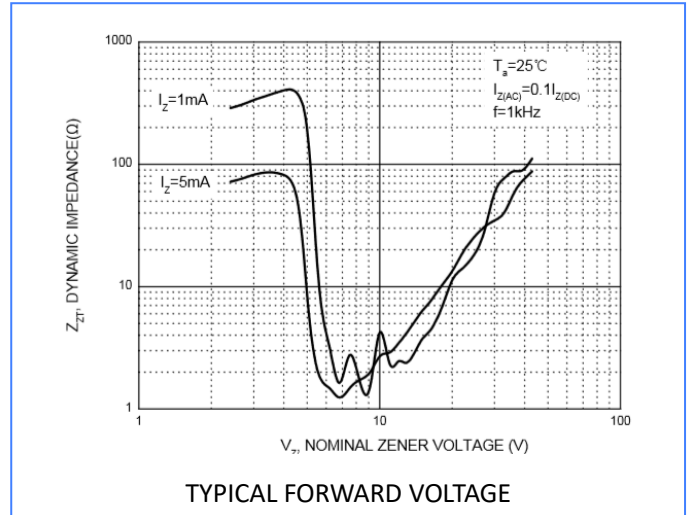
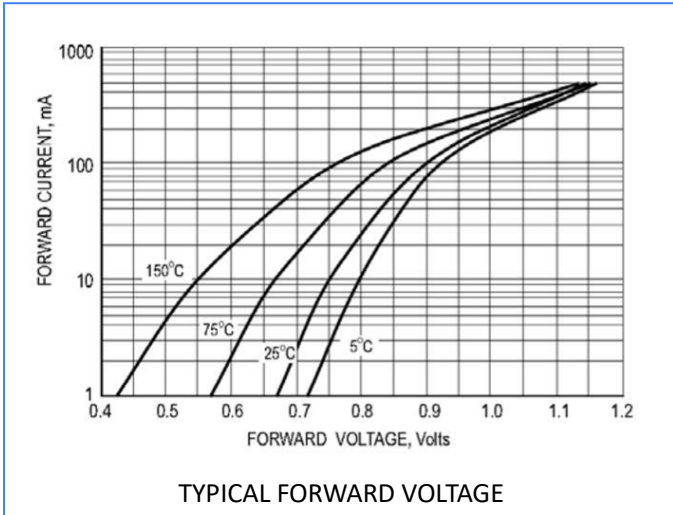
## Silicon Planar Zener Diodes Y5ZP2D2V4 THRU Y5ZP2D75

Y5ZP2D15	15	13.8	15.6	5	30	200	1	0.1	10.5
Y5ZP2D16	16	15.3	17.1	5	40	200	1	0.1	11.2
Y5ZP2D18	18	16.8	19.1	5	45	225	1	0.1	12.6
Y5ZP2D20	20	18.8	21.2	5	55	225	1	0.1	14
Y5ZP2D22	22	20.8	23.3	5	55	250	1	0.1	15.4
Y5ZP2D24	24	22.8	25.6	5	70	10	1	0.1	16.8
Y5ZP2D27	27	25.1	28.9	2	80	300	0.5	0.1	18.9
Y5ZP2D30	30	28.0	32.0	2	80	300	0.5	0.1	21
Y5ZP2D33	33	31.0	35.0	2	80	325	0.5	0.1	23.1
Y5ZP2D36	36	34.0	38.0	2	90	350	0.5	0.1	25.2
Y5ZP2D39	39	37.0	41.0	2	130	350	0.5	0.1	27.3
Y5ZP2D43	43	40.0	46.0	2	130	350	0.5	0.1	29.4
Y5ZP2D47	47	44.65	49.35	2	170	1000	0.25	0.1	36
Y5ZP2D51	51	48.45	53.55	2	180	1300	0.25	0.1	39
Y5ZP2D56	56	53.20	58.80	2	200	1400	0.25	0.1	43
Y5ZP2D62	62	58.90	65.10	2	225	1400	0.25	0.1	47
Y5ZP2D68	68	64.60	71.40	2	240	1600	0.25	0.1	52
Y5ZP2D75	75	71.25	78.75	2	265	1700	0.25	0.1	56

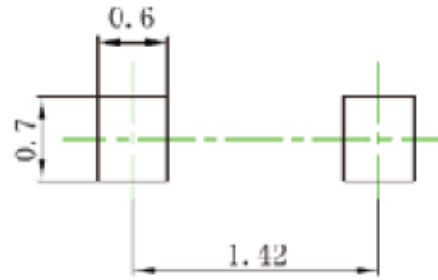
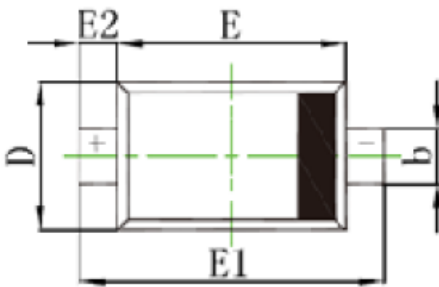
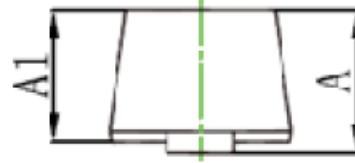
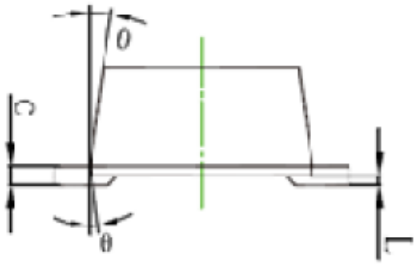
\* Pulse width = 10 ms

### Typical Characteristics





Package Outline



Symbol		A	A1	b	c	D	E	E1	E2	L	$\theta$
Dimensions in mm	Max	0.77	0.70	0.35	0.15	0.85	1.30	1.70	0.20REF	0.07	7°
	Min	0.51	0.50	0.25	0.08	0.75	1.10	1.50		0.01	

Note:

1. Halogen free. EMC
2. Pb free solder
3. Lead thickness includes solder plating
4. Lead frame: Cu
5. Other tolerance:  $\pm 0.05$
6. Dimensions are exclusive of Burrs, Mold Flash and Tie bar extrusions