

Fig.1 - POWER DISSIPATION DERATING CURVE

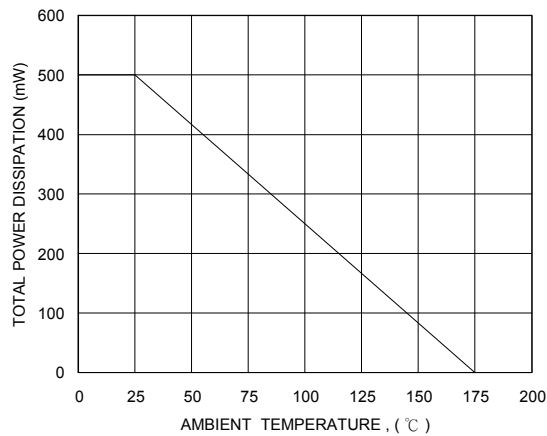


Fig.4 - ZENER CURRENT v.s ZENER VOLTAGE

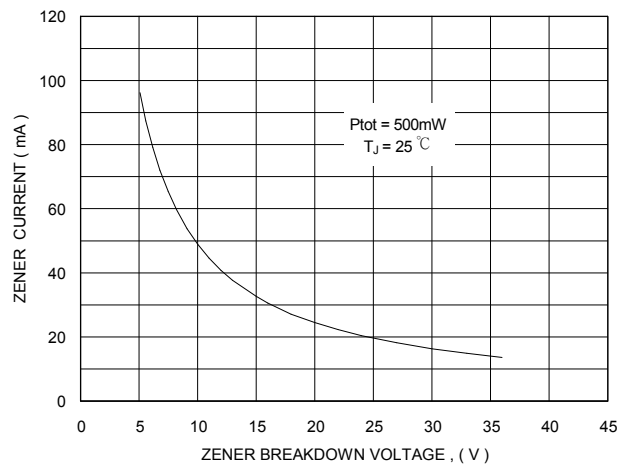


Fig.2-TYPICAL FORWARD CHARACTERISTICS

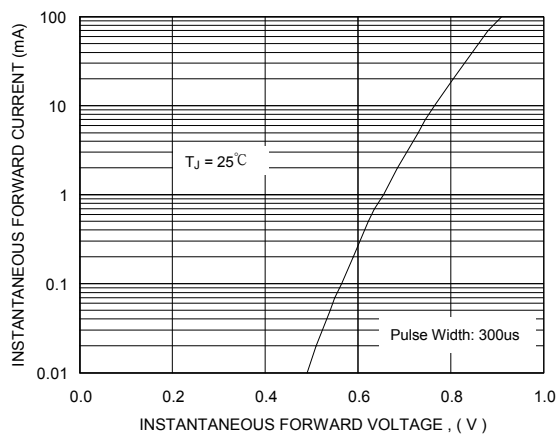


Fig.5-TYPICAL JUNCTION CAPACITANCE

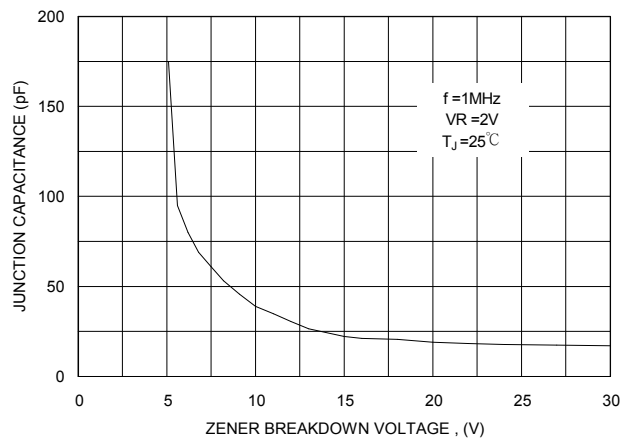
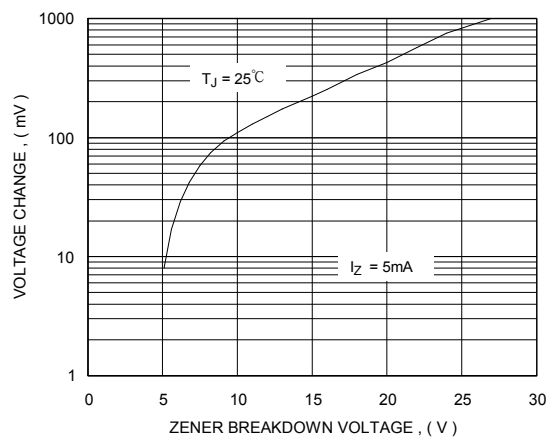
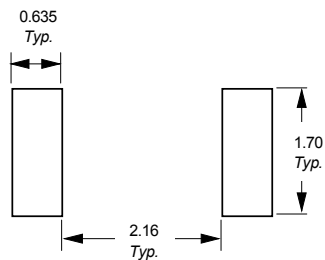


Fig.3 - TYPICAL CHANGE OF WORKING UNDER OPERATING



Recommended Mounting Pad Layout



All dimensions in millimeter

RATING AND CHARACTERISTIC CURVES

LZ52C-W Series



Type Number	Marking Code	Zener Voltage Range (Note 1)		Test Current	Maximum Zener Impedance		Maximum Reverse Current	
		V _Z @ I _{ZT}		I _{ZT}	Z _{VT} @ I _{ZT}	Z _{ZK} @ I _{ZK} =1.0mA	I _R	@V _R
		Min (V)	Max (V)	mA	Ω	Ω	uA	v
LZ52C5V1W	5V1	5.00	5.20	5	50	520	0.1	1.0
LZ52C5V6W	5V6	5.48	5.72	5	30	450	0.1	1.0
LZ52C6V2W	6V2	6.08	6.32	5	10	200	0.1	2.0
LZ52C6V8W	6V8	6.66	6.94	5	8	150	0.1	3.0
LZ52C7V5W	7V5	7.35	7.65	5	7	50	0.1	5.0
LZ52C8V2W	8V2	8.04	8.36	5	7	50	0.1	6.2
LZ52C9V1W	9V1	8.92	9.28	5	10	50	0.1	6.8
LZ52C10W	10	9.80	10.20	5	15	70	0.1	7.5
LZ52C11W	11	10.78	11.22	5	20	70	0.1	8.2
LZ52C12W	12	11.76	12.24	5	20	90	0.1	9.1
LZ52C13W	13	12.74	13.26	5	26	110	0.1	10
LZ52C15W	15	14.70	15.30	5	30	110	0.1	11
LZ52C16W	16	15.68	16.32	5	40	170	0.1	12
LZ52C18W	18	17.64	18.36	5	50	170	0.1	13
LZ52C20W	20	19.60	20.40	5	55	220	0.1	15
LZ52C22W	22	21.56	22.44	5	55	220	0.1	16
LZ52C24W	24	23.52	24.48	5	80	220	0.1	18
LZ52C27W	27	26.46	27.54	5	80	220	0.1	20
LZ52C30W	30	29.40	30.60	5	80	220	0.1	22
LZ52C33W	33	32.34	33.66	5	80	220	0.1	24
LZ52C36W	36	35.28	36.72	5	80	220	0.1	27

NOTE1 : Tested with pulses, T_p < 100ms

Important Notice and Disclaimer

LSC reserves the right to make changes to this document and its products and specifications at any time without notice. Customers should obtain and confirm the latest product information and specifications before final design, purchase or use.

LSC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does LSC assume any liability for application assistance or customer product design. LSC does not warrant or accept any liability with products which are purchased or used for any unintended or unauthorized application.

No license is granted by implication or otherwise under any intellectual property rights of LSC.

LSC products are not authorized for use as critical components in life support devices or systems without express written approval of LSC.