

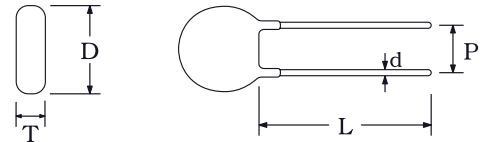
**RU**  
E 173642  
E 186499

# ZINC OXIDE VARISTOR

**VDE**  
5944ÜG LR 109094



## DIMENSION



Unit:mm

Disc Ø	D max.	L min.	d nor.	P nor.
7	9.5	30	0.6±0.02	5±1

## SPECIFICATION

Part No	Varistor Voltage	Max. Allowable Voltage		Max. Clamping Voltage		Max. Energy	Max. Peak Current (8/20µs)		Rated Power	Reference Capacitance	Dimensions
	VImA (V)	AC rms (V)	DC (V)	Vp (V)	Ip (A)	10/1000 (J)	1time (A)	2times (A)	(W)	@1KHZ (pf)	T(max.) (mm)
TVR 07 180	18	11	14	36	2.5	0.9	250	125	0.02	3800	3.9
TVR 07 220	22	14	18	43	2.5	1.1	250	125	0.02	3600	4.1
TVR 07 270	27	17	22	53	2.5	1.4	250	125	0.02	3400	4.3
TVR 07 330	33	20	26	65	2.5	1.7	250	125	0.02	2900	4.5
TVR 07 390	39	25	31	77	2.5	2.1	250	125	0.02	1620	4.0
TVR 07 470	47	30	38	93	2.5	2.5	250	125	0.02	1550	4.1
TVR 07 560	56	35	45	110	2.5	3.1	250	125	0.02	1500	4.3
TVR 07 680	68	40	56	135	2.5	3.6	250	125	0.02	1200	4.6
TVR 07 820	82	50	65	135	10	5.5	1200	600	0.25	900	4.0
TVR 07 101	100	60	85	165	10	6.5	1200	600	0.25	750	4.2
TVR 07 121	120	75	100	200	10	7.8	1200	600	0.25	620	4.4
TVR 07 151	150	95	125	250	10	9.7	1200	600	0.25	500	4.7
TVR 07 181	180	115	150	300	10	11.7	1200	600	0.25	400	4.2
TVR 07 201	200	130	170	340	10	13	1200	600	0.25	360	4.3
TVR 07 221	220	140	180	360	10	14	1200	600	0.25	310	4.4
TVR 07 241	240	150	200	395	10	15	1200	600	0.25	290	4.5
TVR 07 271	270	175	225	455	10	18	1200	600	0.25	260	4.7
TVR 07 301	300	195	250	500	10	21	1200	600	0.25	230	4.6
TVR 07 331	330	215	275	550	10	23	1200	600	0.25	210	4.7
TVR 07 361	360	230	300	595	10	25	1200	600	0.25	190	4.8
TVR 07 391	390	250	320	650	10	25	1200	600	0.25	180	5.0
TVR 07 431	430	275	350	710	10	28	1200	600	0.25	160	5.2
TVR 07 471	470	300	385	775	10	30	1200	600	0.25	150	5.3
TVR 07 511	510	320	410	845	10	33	1200	600	0.25	140	5.5
TVR 07 561	560	350	450	930	10	33	1200	600	0.25	130	5.7
TVR 07 621	620	395	510	1020	10	35	1200	600	0.25	120	6.0
TVR 07 681	680	420	560	1120	10	35	1200	600	0.25	110	6.3
TVR 07 751	750	465	615	1235	10	38	1200	600	0.25	100	6.6
TVR 07 821	820	510	670	1355	10	42	1200	600	0.25	90	6.5

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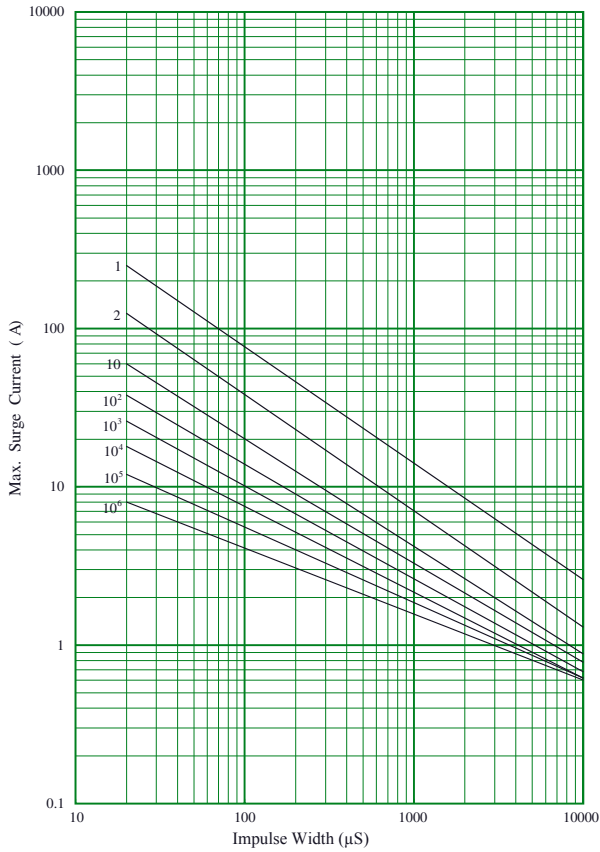
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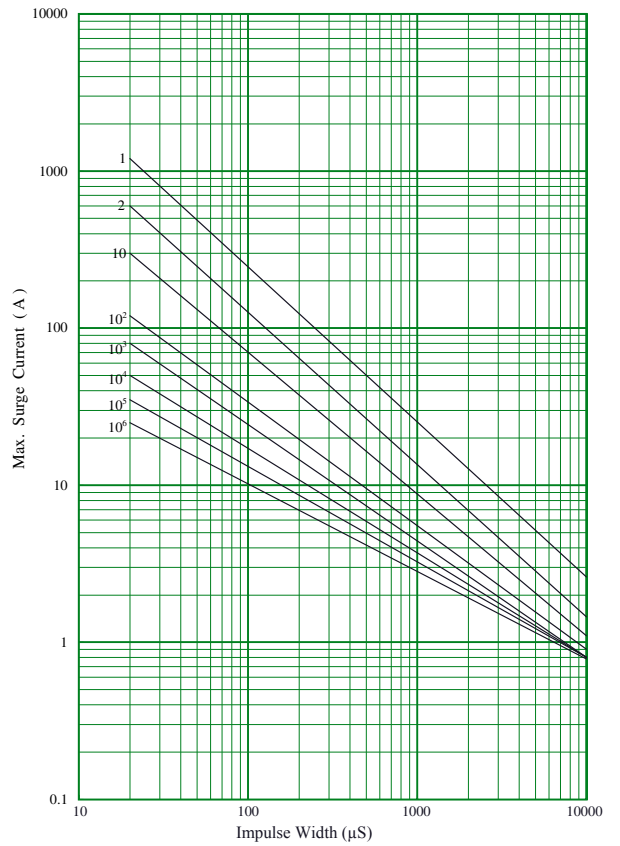


## LIFE TIMES

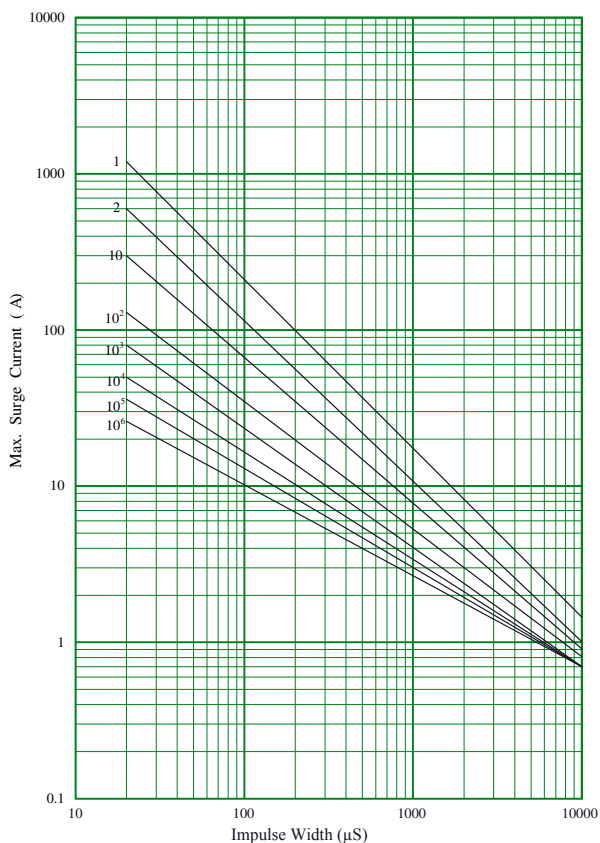
Surge Life Times Ratings ( TVR 07 180 to TVR 07 680 )



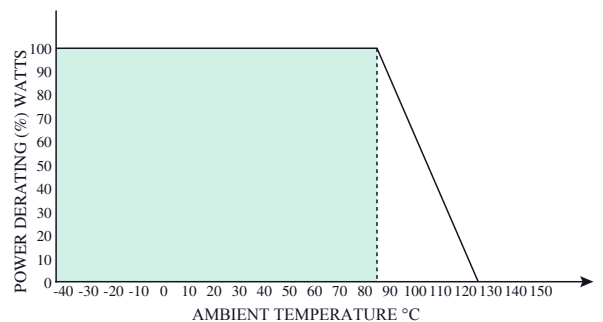
Surge Life Times Ratings ( TVR 07 820 to TVR 07 471 )



Surge Life Times Ratings ( TVR 07 511 to TVR 07 821 )



## POWER DERATING CURVE



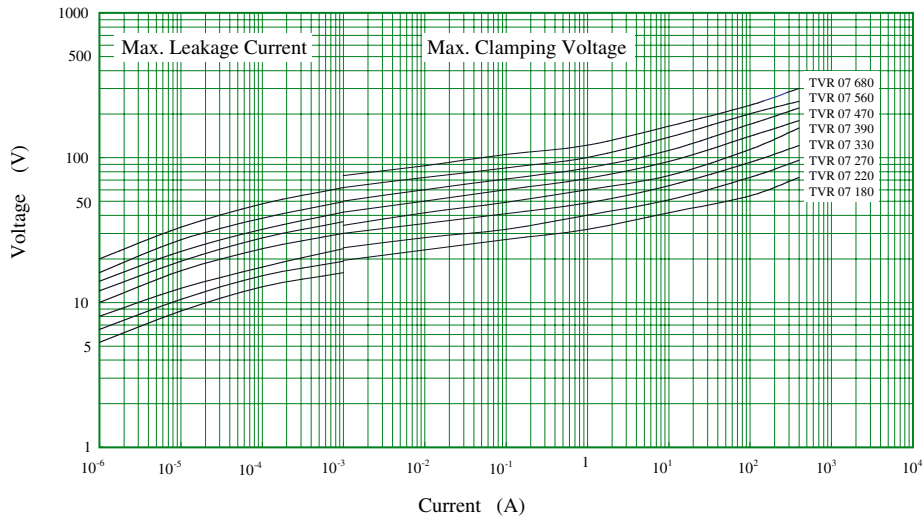


# ZINC OXIDE VARISTOR

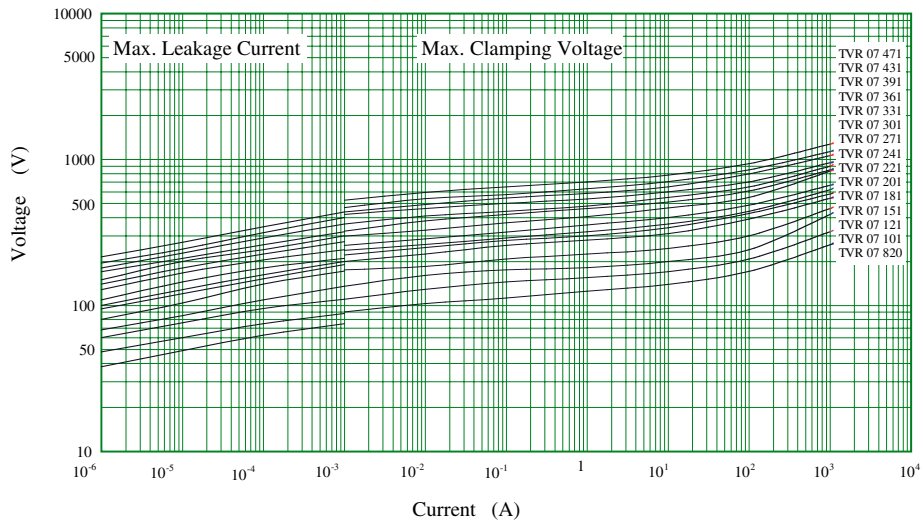


## ■ V-I CHARACTERISTIC CURVE

Max. Leakage Current and Max. Clamping Voltage Curves ( TVR 07 180 to TVR 07 680 )



Max. Leakage Current and Max. Clamping Voltage Curves ( TVR 07 820 to TVR 07 471 )



Max. Leakage Current and Max. Clamping Voltage Curves ( TVR 07 511 to TVR 07 821 )

