

Metal Oxide Varistor

金屬氧化物壓敏電阻

ROHS series



Part Number Code.

Example :

 V 10 K 175 - 5 W3 TA
 (1) (2) (3) (4) (5) (6) (7)

(1) Varistor

(2) Nominal Diameter :

05 : 5mm
 07 : 7mm
 10 : 10mm
 14 : 14mm
 20 : 20mm

(3) Tolerance of Varistor Voltage : ±10%

(4) Rated AC Voltage

11~95 : 11~95Vac
 115~680 : 115~680Vac

(5) Lead free

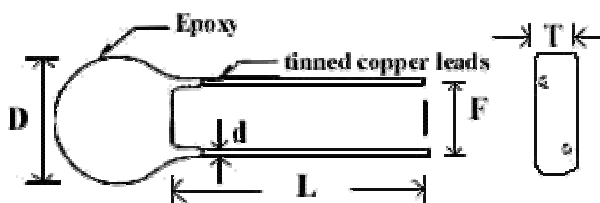
(6) Forming Type

(7) Packing

TA: ammopack

TR: reel

尺寸



Disc Φ	Dmax	Lmin	d	F
5	7.5	25	0.6±0.02	5.0±1.0
7	9	25	0.6±0.02	5.0±1.0
10	14	25	0.8±0.02	7.5±1.0
14	17.5	25	0.8±0.02	7.5±1.0
20	24	25	1.0±0.02	10.0±1.0

SPECIFICATIONS

Part No.	Rated Voltage		Varistor Voltage*	Max. Clamping Voltage @Test Current (8/20us)		Max. Peak Single Pulse (8/20us)	Max. Single Pulse Transient Energy (10/1000us)	Rated Transient Average Power Dissipation	安規	
	AC	DC	VN(dc)	Vc	Ip	Itm	Wtm	Pt(AV)m	UL 1449	VDE
	Vm (ac) Volts	Vm (dc) Volts	Volts	Volts	Amps	Amps	Joules	Watts		
V05K11-5	11	14	18	40	1	100	0.3	0.01	•	
V07K11-5				39	2.5	250	0.8	0.02	•	
V10K11-5				39	5	500	1.5	0.05	•	
V14K11-5				39	10	1000	3.5	0.1	•	
V20K11-5				37	20	2000	10	0.2	•	
V05K14-5	14	18	22	48	1	100	0.4	0.01	•	
V07K14-5				43	2.5	250	0.9	0.02	•	
V10K14-5				43	5	500	2	0.05	•	
V14K14-5				43	10	1000	4	0.1	•	
V20K14-5				44	20	2000	13	0.2	•	
V05K17-5	17	22	27	60	1	100	0.5	0.01	•	
V07K17-5				53	2.5	250	1	0.02	•	
V10K17-5				53	5	500	2.5	0.05	•	
V14K17-5				53	10	1000	5	0.1	•	
V20K17-5				50	20	2000	15	0.2	•	
V05K20-5	20	26	33	73	1	100	0.6	0.01	•	
V07K20-5				64	2.5	250	1.2	0.02	•	
V10K20-5				64	5	500	3	0.05	•	
V14K20-5				64	10	1000	6	0.1	•	
V20K20-5				58	20	2000	20	0.2	•	
V05K25-5	25	31	39	86	1	100	0.8	0.01	•	
V07K25-5				76	2.5	250	1.5	0.02	•	
V10K25-5				76	5	500	3.5	0.05	•	
V14K25-5				76	10	1000	7	0.1	•	
V20K25-5				80	20	2000	24	0.2	•	

V05K30-5	30	38	47	104	1	100	1	0.01	•	
V07K30-5				89	2.5	250	1.8	0.02	•	
V10K30-5				89	5	500	4.5	0.05	•	
V14K30-5				89	10	1000	8.5	0.1	•	
V20K30-5				94	20	2000	30	0.2	•	
V05K35-5	35	45	56	123	1	100	1	0.01	•	
V07K35-5				110	2.5	250	2.2	0.02	•	
V10K35-5				110	5	500	5.5	0.05	•	
V14K35-5				110	10	1000	10	0.1	•	
V20K35-5				110	20	2000	35	0.2	•	
V05K40-5	40	56	68	150	1	100	1.2	0.01	•	
V07K40-5				135	2.5	250	2.5	0.02	•	
V10K40-5				135	5	500	6.5	0.05	•	
V14K40-5				135	10	1000	12	0.1	•	
V20K40-5				135	20	2000	40	0.2	•	
V05K50-5	50	66	82	145	5	400	1.7	0.1	•	•
V07K50-5				135	10	1200	3.5	0.25	•	•
V10K50-5				135	25	2500	8	0.4	•	•
V14K50-5				135	50	4500	14	0.6	•	•
V20K50-5				135	100	6500	27	1	•	•
V05K60-5	60	85	100	175	5	400	2	0.1	•	•
V07K60-5				165	10	1200	4	0.25	•	•
V10K60-5				165	25	2500	10	0.4	•	•
V14K60-5				165	50	4500	18	0.6	•	•
V20K60-5				165	100	6500	30	1	•	•
V05K75-5	75	102	120	210	5	400	2.5	0.1	•	•
V07K75-5				200	10	1200	5	0.25	•	•
V10K75-5				200	25	2500	12	0.4	•	•
V14K75-5				200	50	4500	20	0.6	•	•
V20K75-5				200	100	6500	40	1	•	•
V05K95-5	95	127	150	260	5	400	3	0.1	•	•
V07K95-5				250	10	1200	6	0.25	•	•
V10K95-5				250	25	2500	16	0.4	•	•
V14K95-5				250	50	4500	25	0.6	•	•
V20K95-5				250	100	6500	50	1	•	•
V05K115-5	115	150	180	325	5	400	3.5	0.1	•	
V07K115-5				305	10	1200	8	0.25	•	
V10K115-5				305	25	2500	18	0.4	•	
V14K115-5				305	50	4500	30	0.6	•	
V20K115-5				305	100	6500	60	1	•	
V05K130-5	130	175	200	355	5	400	6	0.1	•	•
V07K130-5				340	10	1200	13	0.25	•	•
V10K130-5				340	25	2500	27	0.4	•	•
V14K130-5				340	50	4500	50	0.6	•	•
V20K130-5				340	100	6500	100	1	•	•
V05K140-5	140	180	220	380	5	400	6.3	0.1	•	•
V07K140-5				360	10	1200	14	0.25	•	•
V10K140-5				360	25	2500	29	0.4	•	•
V14K140-5				360	50	4500	55	0.6	•	•
V20K140-5				360	100	6500	110	1	•	•

V05K150-5	150	200	240	415	5	400	7	0.1	•	•
V07K150-5				395	10	1200	15	0.25	•	•
V10K150-5				395	25	2500	32	0.4	•	•
V14K150-5				395	50	4500	59	0.6	•	•
V20K150-5				395	100	6500	115	1	•	•
V05K175-5	175	225	270	475	5	400	8	0.1	•	•
V07K175-5				455	10	1200	17	0.25	•	•
V10K175-5				455	25	2500	36	0.4	•	•
V14K175-5				455	50	4500	67	0.6	•	•
V20K175-5				455	100	6500	130	1	•	•
V05K190-5	190	250	300	520	5	400	8.5	0.1	•	
V07K190-5				500	10	1200	19	0.25	•	
V10K190-5				500	25	2500	40	0.4	•	
V14K190-5				500	50	4500	75	0.6	•	
V20K190-5				500	100	6500	140	1	•	
V05K210-5	210	270	330	570	5	400	9.2	0.1	•	
V07K210-5				545	10	1200	20.5	0.25	•	
V10K210-5				545	25	2500	42	0.4	•	
V14K210-5				545	50	4500	82	0.6	•	
V20K210-5				545	100	6500	165	1	•	
V05K230-5	230	300	360	620	5	400	10	0.1	•	•
V07K230-5				595	10	1200	22	0.25	•	•
V10K230-5				595	25	2500	45	0.4	•	•
V14K230-5				595	50	4500	88	0.6	•	•
V20K230-5				595	100	6500	180	1	•	•
V05K250-5	250	330	390	675	5	400	11	0.1	•	•
V07K250-5				650	10	1200	25	0.25	•	•
V10K250-5				650	25	2500	50	0.4	•	•
V14K250-5				650	50	4500	96	0.6	•	•
V20K250-5				650	100	6500	190	1	•	•
V05K275-5	275	370	430	745	5	400	12	0.1	•	•
V07K275-5				710	10	1200	27	0.25	•	•
V10K275-5				710	25	2500	55	0.4	•	•
V14K275-5				710	50	4500	102	0.6	•	•
V20K275-5				710	100	6500	205	1	•	•
V05K300-5	300	405	470	810	5	400	13	0.1	•	•
V07K300-5				775	10	1200	29	0.25	•	•
V10K300-5				775	25	2500	60	0.4	•	•
V14K300-5				775	50	4500	117	0.6	•	•
V20K300-5				775	100	6500	220	1	•	•
V05K320-5	320	420	510	850	5	400	16	0.1	•	
V07K320-5				850	10	1200	33	0.25	•	
V10K320-5				850	25	2500	65	0.4	•	
V14K320-5				850	50	4500	125	0.6	•	
V20K320-5				850	100	6500	230	1	•	
V05K350-5	350	460	560	925	5	400	16	0.1	•	
V07K350-5				925	10	1200	33	0.25	•	
V10K350-5				925	25	2500	70	0.4	•	
V14K350-5				925	50	4500	125	0.6	•	
V20K350-5				925	100	6500	220	1	•	

V05K385-5	385	505	620	1025	5	400	18	0.1	•	
V07K385-5				1025	10	1200	35	0.25	•	
V10K385-5				1025	25	2500	70	0.4	•	
V14K385-5				1025	50	4500	125	0.6	•	
V20K385-5				1025	100	6500	220	1	•	
V10K420-5	420	560	680	1120	25	2500	70	0.4	•	
V14K420-5				1120	50	4500	130	0.6	•	
V20K420-5				1120	100	6500	230	1	•	
V10K460-5	460	615	750	1240	25	2500	75	0.4	•	
V14K460-5				1240	50	4500	143	0.6	•	
V20K460-5				1240	100	6500	255	1	•	
V10K510-5	510	675	820	1355	25	2500	85	0.4	•	
V14K510-5				1355	50	4500	157	0.6	•	
V20K510-5				1355	100	6500	282	1	•	
V10K550-5	550	745	910	1500	25	2500	90	0.4	•	
V14K550-5				1500	50	4500	175	0.6	•	
V20K550-5				1500	100	6500	310	1	•	
V10K625-5	625	825	1000	1650	25	2500	100	0.4	•	
V14K625-5				1650	50	4500	190	0.6	•	
V20K625-5				1650	100	6500	342	1	•	
V10K680-5	680	895	1100	1815	25	2500	115	0.4	•	
V14K680-5				1815	50	4500	213	0.6	•	
V20K680-5				1815	100	6500	383	1	•	

Power rating Curve

For operation at ambient temperature in excess of 85°C, the power should be derated in accordance with below figure.

