

## Standard Series Specifications—7mm Devices

**Table V5 - Rating and Characteristics**

Part Number	Varistor Voltage V@1.0mA		Maximum Allowance Voltage		Maximum Clamping Voltage	Maximum Surge Current (8x20 $\mu$ s)		Rated Waftage (W)	Energy (10x1000 $\mu$ s) (J)	Capacitance (Typical) (pF)	Certification†	
	DC (V)	Tolerance	AC (V <sub>RMS</sub> )	DC (V)	V@10A (V)	1 Time (A)	2 Times (A)				RoHS	CSA
ROV07-180M	18	±20%	11	14	36*	250	125	0.02	1.2	2918	●	■
ROV07-220L	22	±15%	14	18	43*	250	125	0.02	1.4	1933	●	■
ROV07-270K	27	±10%	17	22	53*	250	125	0.02	1.7	2344	●	■
ROV07-330K	33	±10%	20	26	65*	250	125	0.02	2.2	1840	●	■
ROV07-390K	39	±10%	25	31	77*	250	125	0.02	2.4	1817	●	■
ROV07-470K	47	±10%	30	38	93*	250	125	0.02	3.0	1595	●	■
ROV07-560K	56	±10%	35	45	110*	250	125	0.02	3.5	1333	●	■
ROV07-680K	68	±10%	40	56	135*	250	125	0.02	4.3	1119	●	■
ROV07-820K	82	±10%	50	65	135	1200	600	0.25	5.5	643	●	■
ROV07-101K	100	±10%	60	85	165	1200	600	0.25	7.0	535	●	■
ROV07-121K	120	±10%	75	100	200	1200	600	0.25	8.0	457	●	■
ROV07-151K	150	±10%	95	125	250	1200	600	0.25	11.0	371	●	■
ROV07-181K	180	±10%	115	150	300	1200	600	0.25	13.0	215	●	■
ROV07-201K	200	±10%	130	170	340	1200	600	0.25	14.3	224	●◆▲■	
ROV07-221K	220	±10%	140	180	360	1200	600	0.25	15.5	190	●◆▲■	
ROV07-241K	240	±10%	150	200	395	1200	600	0.25	16.8	185	●◆▲■	
ROV07-271K	270	±10%	175	225	455	1200	600	0.25	19.8	161	●◆▲■	
ROV07-301K	300	±10%	195	250	505	1200	600	0.25	21.0	135	●◆▲■	
ROV07-331K	330	±10%	210	275	550	1200	600	0.25	23.0	141	●◆▲■	
ROV07-361K	360	±10%	230	300	595	1200	600	0.25	26.0	117	●◆▲■	
ROV07-391K	390	±10%	250	320	650	1200	600	0.25	30.0	110	●◆▲■	
ROV07-431K	430	±10%	275	350	710	1200	600	0.25	33.0	111	●◆▲■	
ROV07-471K	470	±10%	300	385	775	1200	600	0.25	35.0	102	●◆▲■	
ROV07-511K	510	±10%	320	418	842	1200	600	0.25	37.0	100	●◆▲■	
ROV07-561K	560	±10%	350	460	920	1200	600	0.25	39.0	87	●◆▲■	
ROV07-621K	620	±10%	385	505	1025	1200	600	0.25	41.0	80	●◆▲■	
ROV07-681K	680	±10%	420	560	1120	1200	600	0.25	43.0	82	●◆▲■	
ROV07-751K	750	±10%	460	615	1240	1200	600	0.25	45.0	74	●◆▲■	
ROV07-781K	780	±10%	485	640	1290	1200	600	0.25	46.0	70	●◆▲■	
ROV07-821K	820	±10%	510	670	1355	1200	600	0.25	47.0	70	●◆▲■	

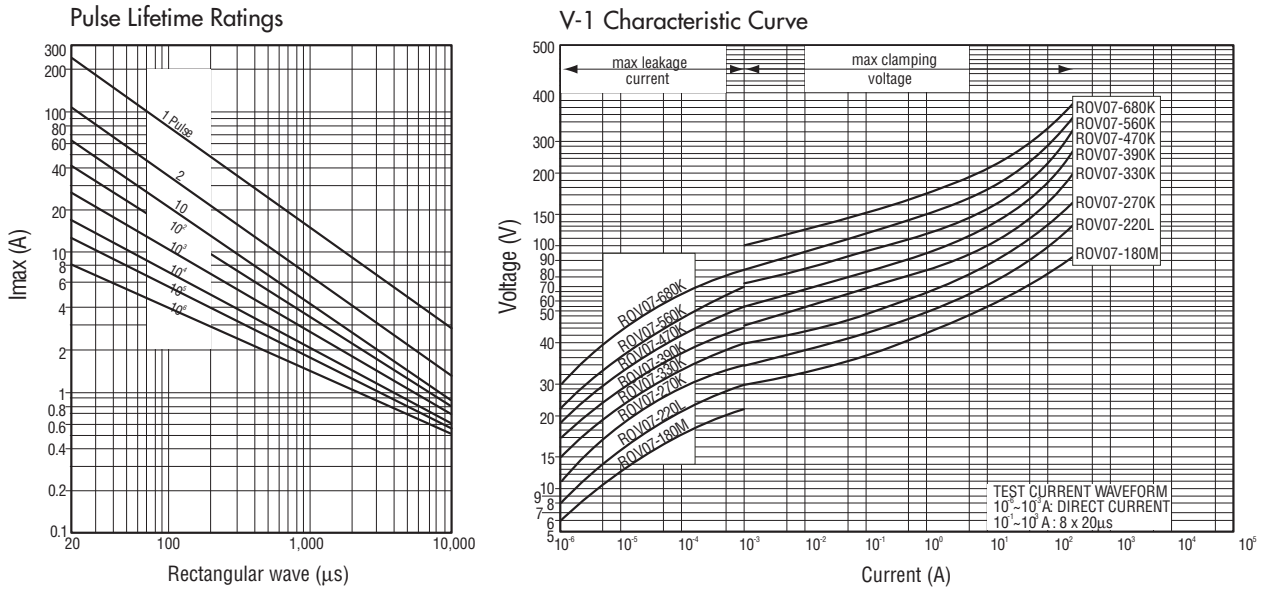
\* The clamping voltages from 180M to 680K are tested at 2.5A current.

### † Certification

Standard	UL1414‡	UL1449 (2nd Edition)‡	CSA	VDE
Title	Across-the-Line Components	Transient Voltage Surge Suppressors	Accessories and Parts for Electronic Equipment	Varistors for Use in Electronic Equipment
Symbols	◆	●	▲	■
File Number	E223034	E223033	220978	40006997

‡ For UL 1449 (2nd Edition), the maximum clamping voltage is measured at 500A.

**Figure V5 - ROV07-180M~ROV07-680K**



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**Figure V6 - ROV07-820K~ROV07-471K**

