

H Series Specifications—10mm Devices

Table V11 - Rating and Characteristics

Part Number	Varistor Voltage V@1.0mA		Maximum Allowance Voltage		Maximum Clamping Voltage V@25A (V)	Maximum Surge Current (8x20µs)		Rated Wattage (W)	Energy (10x1000µs) (J)	Capacitance (Typical) (pF)	Certification †
	DC (V)	Tolerance	AC (V _{RMS})	DC (V)		1 Time (A)	2 Times (A)				
ROV10H180M	18	±20%	11	14	36*	1000	500	0.05	2.6	6500	● ● ■
ROV10H220L	22	±15%	14	18	43*	1000	500	0.05	3.2	5520	● ● ■
ROV10H270K	27	±10%	17	22	53*	1000	500	0.05	3.9	4740	● ● ■
ROV10H330K	33	±10%	20	26	65*	1000	500	0.05	4.8	4250	● ● ■
ROV10H390K	39	±10%	25	31	77*	1000	500	0.05	5.6	3660	● ● ■
ROV10H470K	47	±10%	30	38	93*	1000	500	0.05	6.8	3140	● ● ■
ROV10H560K	56	±10%	35	45	110*	1000	500	0.05	8.1	2900	● ● ■
ROV10H680K	68	±10%	40	56	135*	1000	500	0.05	9.8	2230	● ● ■
ROV10H820K	82	±10%	50	65	135	3500	2500	0.40	14.0	1260	● ● ■
ROV10H101K	100	±10%	60	85	165	3500	2500	0.40	18.0	1020	● ● ■
ROV10H121K	120	±10%	75	100	200	3500	2500	0.40	22.0	950	● ● ■
ROV10H151K	150	±10%	95	125	250	3500	2500	0.40	25.0	730	● ● ■
ROV10H181K	180	±10%	115	150	300	3500	2500	0.40	32.0	480	● ● ■
ROV10H201K	200	±10%	130	170	340	3500	2500	0.40	35.0	400	◆ ● ▲ ■
ROV10H221K	220	±10%	140	180	360	3500	2500	0.40	39.0	390	◆ ● ▲ ■
ROV10H241K	240	±10%	150	200	395	3500	2500	0.40	42.0	330	◆ ● ▲ ■
ROV10H271K	270	±10%	175	225	455	3500	2500	0.40	49.0	330	◆ ● ▲ ■
ROV10H301K	300	±10%	195	250	505	3500	2500	0.40	52.0	280	◆ ● ▲ ■
ROV10H331K	330	±10%	210	275	550	3500	2500	0.40	58.0	280	◆ ● ▲ ■
ROV10H361K	360	±10%	230	300	595	3500	2500	0.40	65.0	230	◆ ● ▲ ■
ROV10H391K	390	±10%	250	320	650	3500	2500	0.40	70.0	250	◆ ● ▲ ■
ROV10H431K	430	±10%	275	350	710	3500	2500	0.40	80.0	220	◆ ● ▲ ■
ROV10H471K	470	±10%	300	385	775	3500	2500	0.40	85.0	210	◆ ● ▲ ■
ROV10H511K	510	±10%	320	418	842	3500	2500	0.40	92.0	190	◆ ● ▲ ■
ROV10H561K	560	±10%	350	460	920	3500	2500	0.40	102.0	190	◆ ● ▲ ■
ROV10H621K	620	±10%	385	505	1025	3500	2500	0.40	107.0	160	◆ ● ▲ ■
ROV10H681K	680	±10%	420	560	1120	3500	2500	0.40	112.0	160	◆ ● ▲ ■
ROV10H751K	750	±10%	460	615	1240	3500	2500	0.40	115.0	130	◆ ● ▲ ■
ROV10H781K	780	±10%	485	640	1290	3500	2500	0.40	116.0	120	◆ ● ▲ ■
ROV10H821K	820	±10%	510	670	1355	3500	2500	0.40	118.0	130	◆ ● ▲ ■
ROV10H911K	910	±10%	550	745	1500	3500	2500	0.40	127.0	110	◆ ● ▲ ■
ROV10H102K	1000	±10%	625	825	1650	3500	2500	0.40	140.0	95	◆ ● ▲ ■
ROV10H112K	1100	±10%	680	895	1815	3500	2500	0.40	155.0	90	◆ ● ▲ ■
ROV10H182K	1800	±10%	1000	1465	2670	3500	2500	0.40	247.0	62	◆ ● ▲ ■

* 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 V20 - ROV10H180M~ROV10H680K

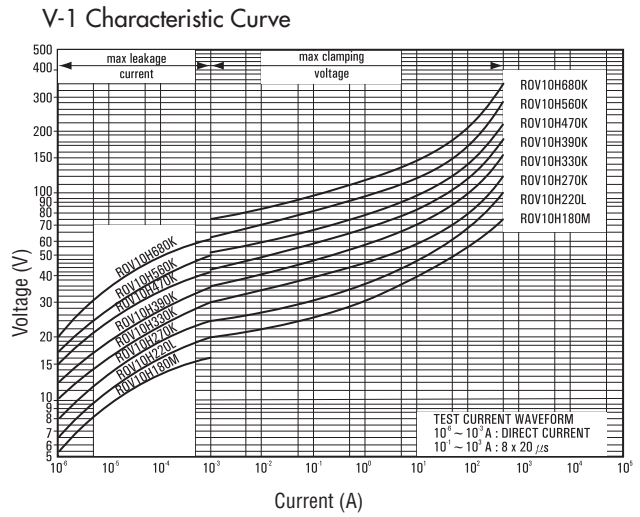
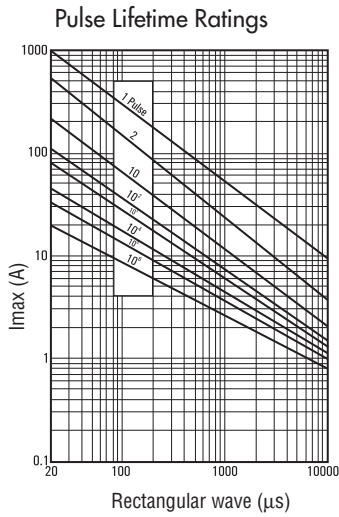


Figure V21 - ROV10H820K~ROV10H511K

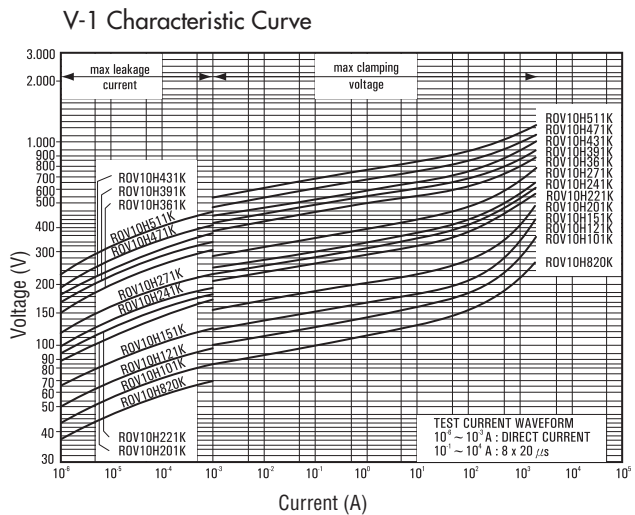
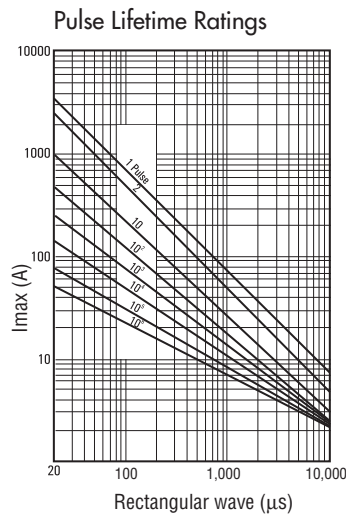
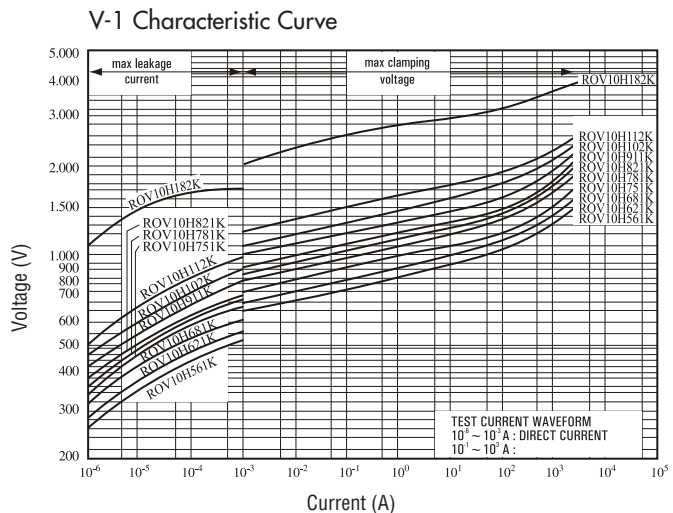
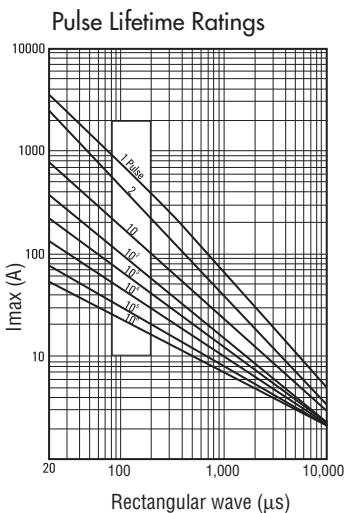


Figure V22 - ROV10H561K~ROV10H182K



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