

H Series Specifications—10mm Devices

Table V11 - Rating and Characteristics

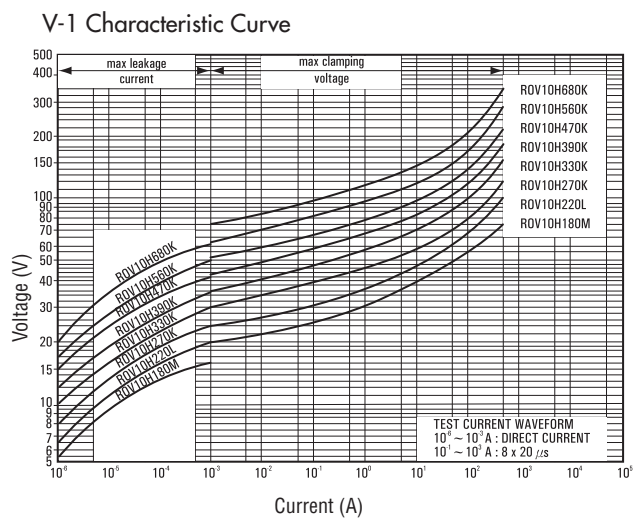
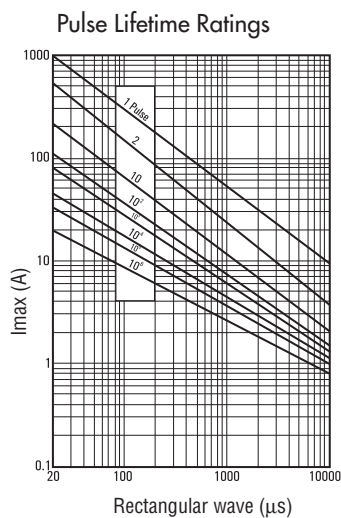
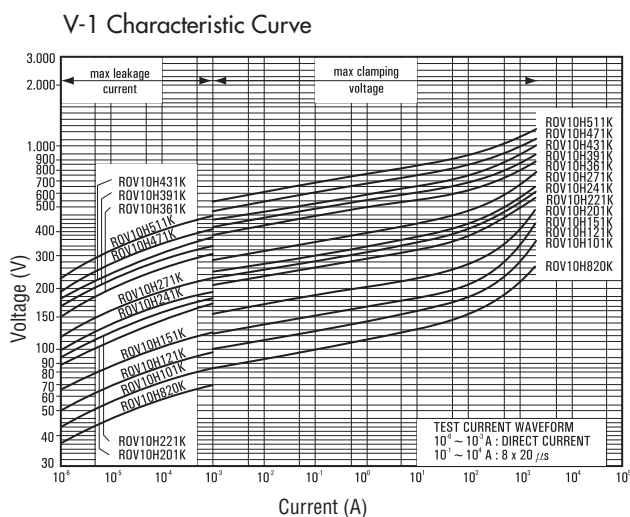
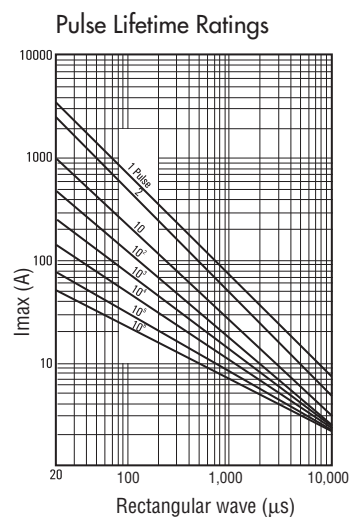
Part Number	Varistor Voltage V@1.0mA		Maximum Allowance Voltage		Maximum Clamping Voltage	Maximum Surge Current (8x20 μ s)		Rated Wattage	Energy (10x1000 μ s)	Capacitance (Typical)	Certification [†]	
	DC (V)	Tolerance	AC (V _{RMS})	DC (V)	V@25A (V)	1 Time (A)	2 Times (A)	(W)	(J)	(pF)		 
ROV10H180M	18	±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
