

H Series Specifications—20mm Devices

Table V13 - Rating and Characteristics

Part Number	Varistor Voltage V@1.0mA		Maximum Allowance Voltage		Maximum Clamping Voltage V@100A (V)	Maximum Surge Current (8x20 μ s)		Rated Wattage (W)	Energy (10x1000 μ s) (J)	Capacitance (Typical) (pF)	Certification [†]
	DC (V)	Tolerance	AC (V _{RMS})	DC (V)		1 Time (A)	2 Times (A)				  
ROV20H180M	18	±20%	11	14	36*	3000	2000	0.2	13.0	27100	● ● ■
ROV20H220M	22	±20%	14	18	43*	3000	2000	0.2	16.0	21200	● ● ■
ROV20H270M	27	±20%	17	22	53*	3000	2000	0.2	19.0	20000	● ● ■
ROV20H330M	33	±20%	20	26	65*	3000	2000	0.2	24.0	17200	● ● ■
ROV20H390L	39	±15%	25	31	77*	3000	2000	0.2	28.0	15000	● ● ■
ROV20H470L	47	±15%	30	38	93*	3000	2000	0.2	34.0	12100	● ● ■
ROV20H560L	56	±15%	35	45	110*	3000	2000	0.2	41.0	11600	● ● ■
ROV20H680L	68	±15%	40	56	135*	3000	2000	0.2	49.0	9600	● ● ■
ROV20H820K	82	±10%	50	65	135	10000	6500	1.0	56.0	5200	● ● ■
ROV20H101K	100	±10%	60	85	165	10000	6500	1.0	72.0	4000	● ● ■
ROV20H121K	120	±10%	75	100	200	10000	6500	1.0	88.0	3800	● ● ■
ROV20H151K	150	±10%	95	125	250	10000	6500	1.0	106.0	3000	● ● ■
ROV20H181K	180	±10%	115	150	300	10000	6500	1.0	130.0	2400	● ● ■
ROV20H201K	200	±10%	130	170	340	10000	6500	1.0	140.0	1830	◆ ● ▲ ■
ROV20H221K	220	±10%	140	180	360	10000	6500	1.0	155.0	1600	◆ ● ▲ ■
ROV20H241K	240	±10%	150	200	395	10000	6500	1.0	168.0	1420	◆ ● ▲ ■
ROV20H271K	270	±10%	175	225	455	10000	6500	1.0	190.0	1260	◆ ● ▲ ■
ROV20H301K	300	±10%	195	250	505	10000	6500	1.0	210.0	1100	◆ ● ▲ ■
ROV20H331K	330	±10%	210	275	550	10000	6500	1.0	228.0	1110	◆ ● ▲ ■
ROV20H361K	360	±10%	230	300	595	10000	6500	1.0	255.0	990	◆ ● ▲ ■
ROV20H391K	390	±10%	250	320	650	10000	6500	1.0	275.0	980	◆ ● ▲ ■
ROV20H431K	430	±10%	275	350	710	10000	6500	1.0	303.0	860	◆ ● ▲ ■
ROV20H471K	470	±10%	300	385	775	10000	6500	1.0	350.0	760	◆ ● ▲ ■
ROV20H511K	510	±10%	320	418	842	10000	6500	1.0	382.0	790	◆ ● ▲ ■
ROV20H561K	560	±10%	350	460	920	10000	6500	1.0	410.0	680	◆ ● ▲ ■
ROV20H621K	620	±10%	385	505	1025	10000	6500	1.0	420.0	600	◆ ● ▲ ■
ROV20H681K	680	±10%	420	560	1120	10000	6500	1.0	430.0	550	◆ ● ▲ ■
ROV20H751K	750	±10%	460	615	1240	10000	6500	1.0	440.0	550	◆ ● ▲ ■
ROV20H781K	780	±10%	485	640	1290	10000	6500	1.0	450.0	480	◆ ● ▲ ■
ROV20H821K	820	±10%	510	670	1355	10000	6500	1.0	460.0	520	◆ ● ▲ ■
ROV20H911K	910	±10%	550	745	1500	10000	6500	1.0	510.0	440	◆ ● ▲ ■
ROV20H102K	1000	±10%	625	825	1650	10000	6500	1.0	556.0	400	◆ ● ▲ ■
ROV20H112K	1100	±10%	680	895	1815	10000	6500	1.0	620.0	360	◆ ● ▲ ■
ROV20H182K	1801	±11%	1000	1465	2970	10000	6500	1.0	1020.0	250	◆ ● ▲ ■

* 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 V26 - ROV20H180M~ROV20H680L

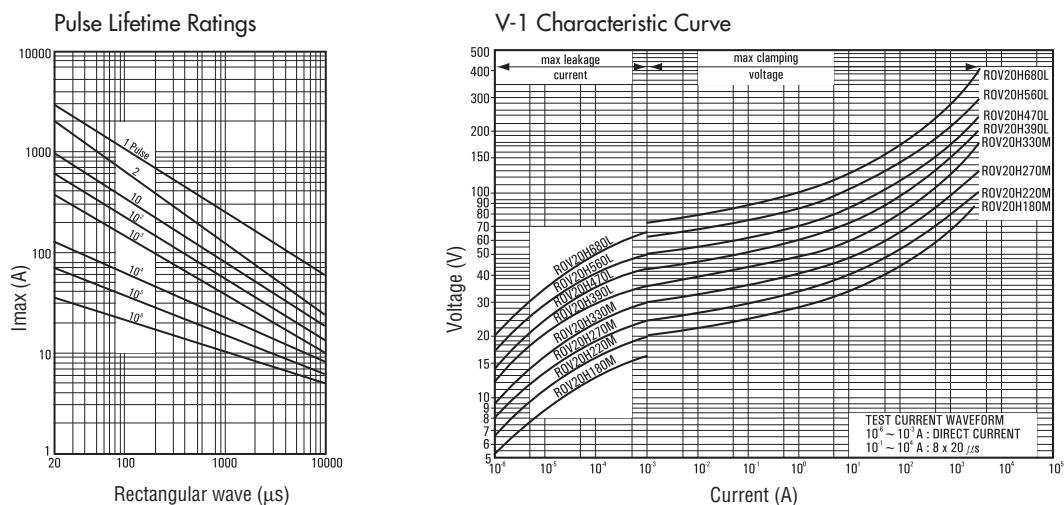


Figure V27 - ROV20H820K~ROV20H511K

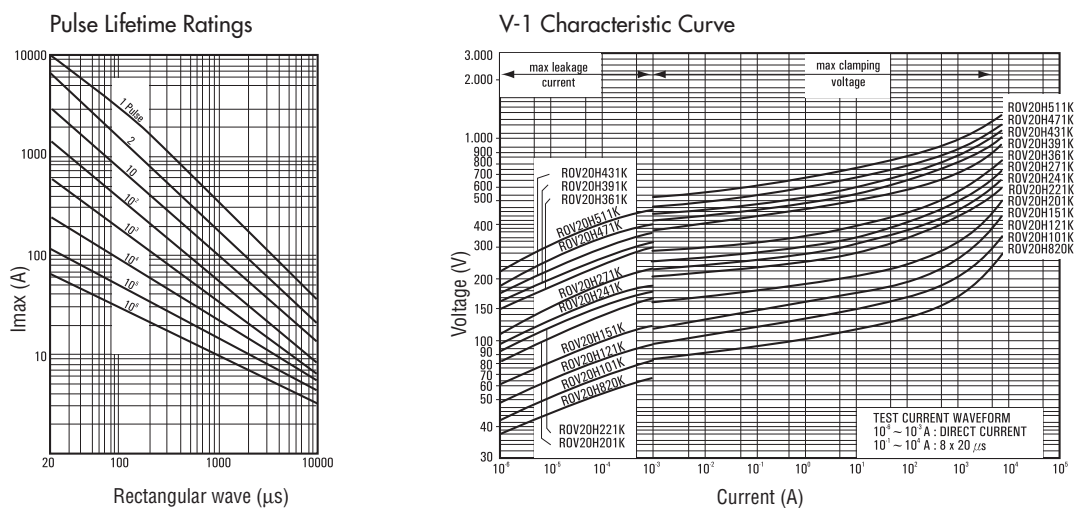


Figure V28 - ROV20H561K~ROV20H182K

