

## H Series Specifications—14mm Devices

Table V12 - Rating and Characteristics

Part Number	Varistor Voltage V@1.0mA		Maximum Allowance Voltage		Maximum Clamping Voltage V@50A (V)	Maximum Surge Current (8x20µs)		Rated Wattage (W)	Energy (10x1000µs) (J)	Capacitance (Typical) (pF)	Certification †
	DC (V)	Tolerance	AC (V <sub>RMS</sub> )	DC (V)		1 Time (A)	2 Times (A)				
ROV14H180M	18	±20%	11	14	36*	2000	1000	0.10	5.2	14890	● ■
ROV14H220L	22	±15%	14	18	43*	2000	1000	0.10	6.3	11960	● ■
ROV14H270K	27	±10%	17	22	53*	2000	1000	0.10	7.8	9730	● ■
ROV14H330K	33	±10%	20	26	65*	2000	1000	0.10	9.5	7700	● ■
ROV14H390K	39	±10%	25	31	77*	2000	1000	0.10	11.0	7620	● ■
ROV14H470K	47	±10%	30	38	93*	2000	1000	0.10	14.0	6420	● ■
ROV14H560K	56	±10%	35	45	110*	2000	1000	0.10	16.0	5180	● ■
ROV14H680K	68	±10%	40	56	135*	2000	1000	0.10	20.0	5100	● ■
ROV14H820K	82	±10%	50	65	135	6000	4500	0.6	28.0	2970	● ■
ROV14H101K	100	±10%	60	85	165	6000	4500	0.6	36.0	2220	● ■
ROV14H121K	120	±10%	75	100	200	6000	4500	0.6	44.0	1740	● ■
ROV14H151K	150	±10%	95	125	250	6000	4500	0.6	53.0	1510	● ■
ROV14H181K	180	±10%	115	150	300	6000	4500	0.6	65.0	920	● ■
ROV14H201K	200	±10%	130	170	340	6000	4500	0.6	70.0	840	◆ ● ▲ ■
ROV14H221K	220	±10%	140	180	360	6000	4500	0.6	78.0	710	◆ ● ▲ ■
ROV14H241K	240	±10%	150	200	395	6000	4500	0.6	84.0	770	◆ ● ▲ ■
ROV14H271K	270	±10%	175	225	455	6000	4500	0.6	99.0	650	◆ ● ▲ ■
ROV14H301K	300	±10%	195	250	505	6000	4500	0.6	105.0	650	◆ ● ▲ ■
ROV14H331K	330	±10%	210	275	550	6000	4500	0.6	115.0	610	◆ ● ▲ ■
ROV14H361K	360	±10%	230	300	595	6000	4500	0.6	130.0	470	◆ ● ▲ ■
ROV14H391K	390	±10%	250	320	650	6000	4500	0.6	140.0	460	◆ ● ▲ ■
ROV14H431K	430	±10%	275	350	710	6000	4500	0.6	155.0	450	◆ ● ▲ ■
ROV14H471K	470	±10%	300	385	775	6000	4500	0.6	175.0	420	◆ ● ▲ ■
ROV14H511K	510	±10%	320	418	842	6000	4500	0.6	190.0	370	◆ ● ▲ ■
ROV14H561K	560	±10%	350	460	920	6000	4500	0.6	205.0	400	◆ ● ▲ ■
ROV14H621K	620	±10%	385	505	1025	6000	4500	0.6	215.0	300	◆ ● ▲ ■
ROV14H681K	680	±10%	420	560	1120	6000	4500	0.6	225.0	310	◆ ● ▲ ■
ROV14H751K	750	±10%	460	615	1240	6000	4500	0.6	230.0	270	◆ ● ▲ ■
ROV14H781K	780	±10%	485	640	1290	6000	4500	0.6	233.0	250	◆ ● ▲ ■
ROV14H821K	820	±10%	510	670	1355	6000	4500	0.6	235.0	260	◆ ● ▲ ■
ROV14H911K	910	±10%	550	745	1500	6000	4500	0.6	255.0	240	◆ ● ▲ ■
ROV14H102K	1000	±10%	625	825	1650	6000	4500	0.6	283.0	200	◆ ● ▲ ■
ROV14H112K	1100	±10%	680	895	1815	6000	4500	0.6	310.0	180	◆ ● ▲ ■
ROV14H182K	1800	±10%	1000	1465	2970	6000	4500	0.6	510.0	121	◆ ● ▲ ■

\* 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 V23 - ROV14H180M~ROV14H680K

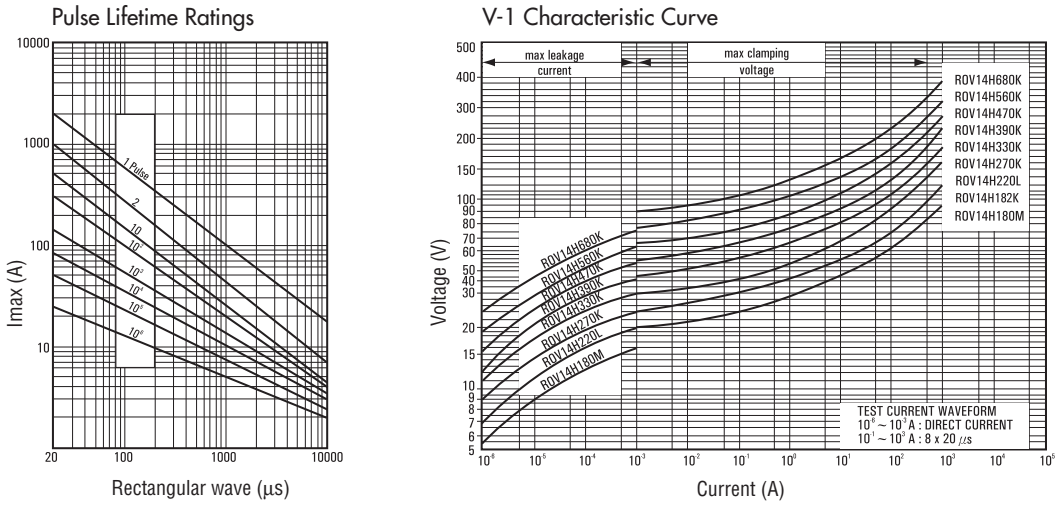


Figure V24 - ROV14H820K~ROV14H511K

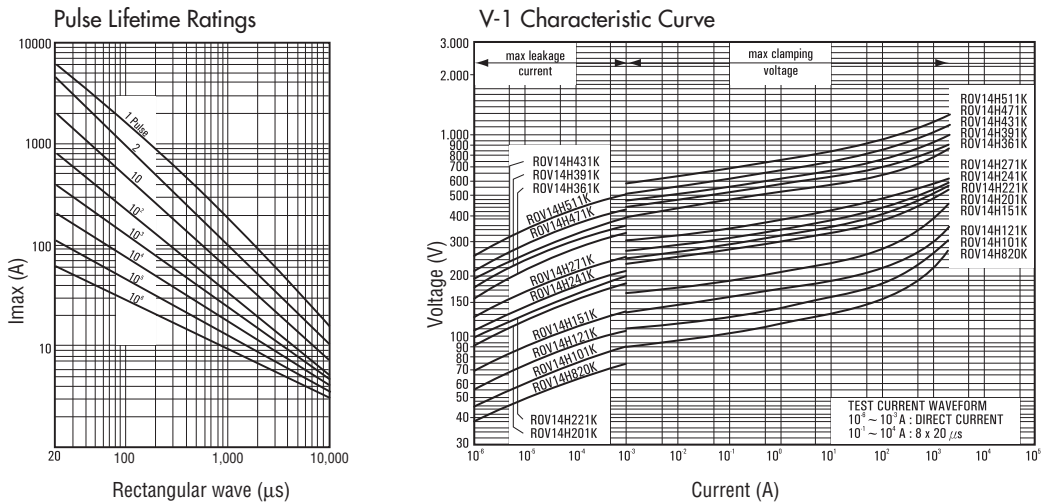
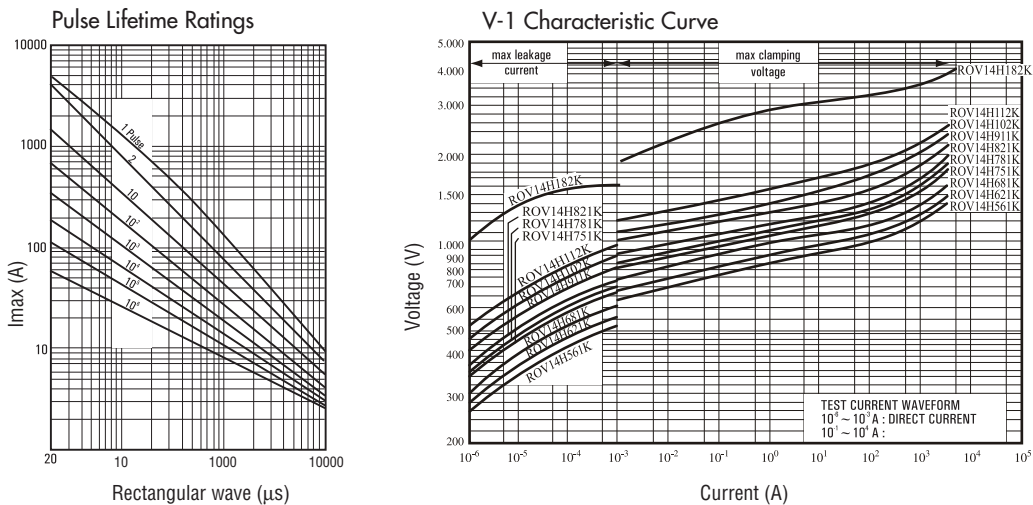


Figure V25 - ROV14H561K~ROV14H182K



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