

H Series Specifications—5mm Devices

Table V9 - Rating and Characteristics

Part Number	Varistor Voltage V@1.0mA		Maximum Allowance Voltage		Maximum Clamping Voltage	Maximum Surge Current (8x20µs)		Rated Woltage (W)	Energy (10x1000µs) (J)	Capacitance (Typical) (pF)	Certification†
	DC (V)	Tolerance	AC (V _{RMS})	DC (V)	V@5A (V)	1 Time (A)	2 Times (A)				
ROV05H180M	18	±20%	11	14	40*	250	125	0.01	0.7	1120	● ● ■
ROV05H220L	22	±15%	14	18	48*	250	125	0.01	0.8	1230	● ● ■
ROV05H270K	27	±10%	17	22	60*	250	125	0.01	1.1	1070	● ● ■
ROV05H330K	33	±10%	20	26	73*	250	125	0.01	1.3	830	● ● ■
ROV05H390K	39	±10%	25	31	86*	250	125	0.01	1.5	880	● ● ■
ROV05H470K	47	±10%	30	38	104*	250	125	0.01	1.8	720	● ● ■
ROV05H560K	56	±10%	35	45	123*	250	125	0.01	2.2	640	● ● ■
ROV05H680K	68	±10%	40	56	150*	250	125	0.01	2.6	500	● ● ■
ROV05H820K	82	±10%	50	65	145	800	600	0.10	3.5	270	● ● ■
ROV05H101K	100	±10%	60	85	175	800	600	0.10	4.5	260	● ● ■
ROV05H121K	120	±10%	75	100	210	800	600	0.10	5.5	180	● ● ■
ROV05H151K	150	±10%	95	125	260	800	600	0.10	6.5	180	● ● ■
ROV05H181K	180	±10%	115	150	320	800	600	0.10	8.0	95	● ● ■
ROV05H201K	200	±10%	130	170	355	800	600	0.10	8.5	85	◆ ● ▲ ■
ROV05H221K	220	±10%	140	180	380	800	600	0.10	9.0	80	◆ ● ▲ ■
ROV05H241K	240	±10%	150	200	415	800	600	0.10	10.5	75	◆ ● ▲ ■
ROV05H271K	270	±10%	175	225	475	800	600	0.10	11.0	70	◆ ● ▲ ■
ROV05H301K	300	±10%	195	250	525	800	600	0.10	12.0	65	◆ ● ▲ ■
ROV05H331K	330	±10%	210	275	575	800	600	0.10	13.0	60	◆ ● ▲ ■
ROV05H361K	360	±10%	230	300	620	800	600	0.10	16.0	70	◆ ● ▲ ■
ROV05H391K	390	±10%	250	320	675	800	600	0.10	17.0	55	◆ ● ▲ ■
ROV05H431K	430	±10%	275	350	745	800	600	0.10	20.0	45	◆ ● ▲ ■
ROV05H471K	470	±10%	300	385	810	800	600	0.10	21.0	50	◆ ● ▲ ■
ROV05H511K	510	±10%	320	418	880	800	600	0.10	22.0	50	◆ ● ▲ ■
ROV05H561K	560	±10%	350	460	940	800	600	0.10	25.0	50	◆ ● ▲ ■
ROV05H621K	620	±10%	385	505	1050	800	600	0.10	27.0	50	◆ ● ▲ ■
ROV05H681K	680	±10%	420	560	1150	800	600	0.10	28.0	40	◆ ● ▲ ■
ROV05H751K	750	±10%	460	615	1290	800	600	0.10	29.0	45	◆ ● ▲ ■

* 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 V16 - ROV05H180M~ROV05H680K

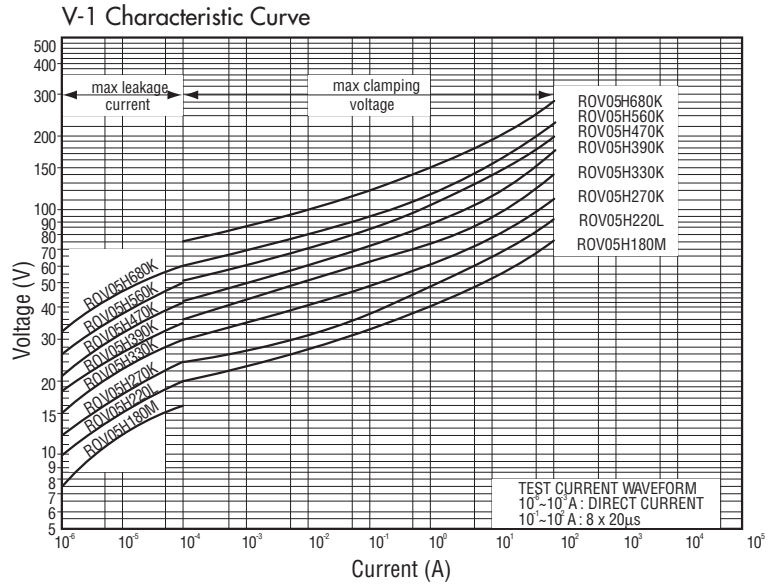
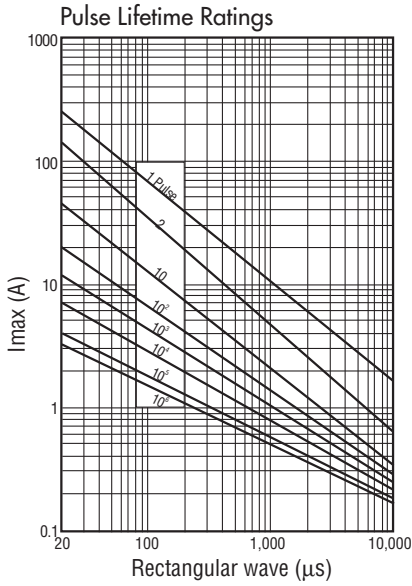


Figure V17 - ROV05H820K~ROV05H471K

