

H Series Specifications—7mm Devices

Table V10 - Rating and Characteristics

Part Number	Varistor Voltage V@1.0mA		Maximum Allowance Voltage		Maximum Clamping Voltage V@10A (V)	Maximum Surge Current (8x20µs)		Rated Woltage (W)	Energy (10x1000µs) (J)	Capacitance (Typical) (pF)	Certification †
	DC (V)	Tolerance	AC (V _{RMS})	DC (V)		1 Time (A)	2 Times (A)				
ROV07H180M	18	±20%	11	14	36*	500	250	0.02	1.5	2920	● ● ■
ROV07H220L	22	±15%	14	18	43*	500	250	0.02	1.7	2930	● ● ■
ROV07H270K	27	±10%	17	22	53*	500	250	0.02	2.1	2340	● ● ■
ROV07H330K	33	±10%	20	26	65*	500	250	0.02	2.8	1840	● ● ■
ROV07H390K	39	±10%	25	31	77*	500	250	0.02	3.0	1820	● ● ■
ROV07H470K	47	±10%	30	38	93*	500	250	0.02	3.8	1600	● ● ■
ROV07H560K	56	±10%	35	45	110*	500	250	0.02	4.4	1330	● ● ■
ROV07H680K	68	±10%	40	56	135*	500	250	0.02	5.4	1120	● ● ■
ROV07H820K	82	±10%	50	65	135	1750	1250	0.25	7.0	640	● ● ■
ROV07H101K	100	±10%	60	85	165	1750	1250	0.25	9.0	540	● ● ■
ROV07H121K	120	±10%	75	100	200	1750	1250	0.25	11.0	460	● ● ■
ROV07H151K	150	±10%	95	125	250	1750	1250	0.25	13.0	370	● ● ■
ROV07H181K	180	±10%	115	150	300	1750	1250	0.25	16.0	220	● ● ■
ROV07H201K	200	±10%	130	170	340	1750	1250	0.25	17.5	220	◆ ● ▲ ■
ROV07H221K	220	±10%	140	180	360	1750	1250	0.25	19.0	190	◆ ● ▲ ■
ROV07H241K	240	±10%	150	200	395	1750	1250	0.25	21.0	190	◆ ● ▲ ■
ROV07H271K	270	±10%	175	225	455	1750	1250	0.25	24.0	160	◆ ● ▲ ■
ROV07H301K	300	±10%	195	250	505	1750	1250	0.25	26.0	140	◆ ● ▲ ■
ROV07H331K	330	±10%	210	275	550	1750	1250	0.25	28.0	140	◆ ● ▲ ■
ROV07H361K	360	±10%	230	300	595	1750	1250	0.25	32.0	120	◆ ● ▲ ■
ROV07H391K	390	±10%	250	320	650	1750	1250	0.25	35.0	110	◆ ● ▲ ■
ROV07H431K	430	±10%	275	350	710	1750	1250	0.25	40.0	110	◆ ● ▲ ■
ROV07H471K	470	±10%	300	385	775	1750	1250	0.25	42.0	100	◆ ● ▲ ■
ROV07H511K	510	±10%	320	418	842	1750	1250	0.25	45.0	100	◆ ● ▲ ■
ROV07H561K	560	±10%	350	460	920	1750	1250	0.25	51.0	85	◆ ● ▲ ■
ROV07H621K	620	±10%	385	505	1025	1750	1250	0.25	54.0	80	◆ ● ▲ ■
ROV07H681K	680	±10%	420	560	1120	1750	1250	0.25	56.0	80	◆ ● ▲ ■
ROV07H751K	750	±10%	460	615	1240	1750	1250	0.25	58.0	75	◆ ● ▲ ■
ROV07H781K	780	±10%	485	640	1290	1750	1250	0.25	59.0	70	◆ ● ▲ ■
ROV07H821K	820	±10%	510	670	1355	1750	1250	0.25	60.0	70	◆ ● ▲ ■

* 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 V18 - ROV07H180M~ROV07H680K

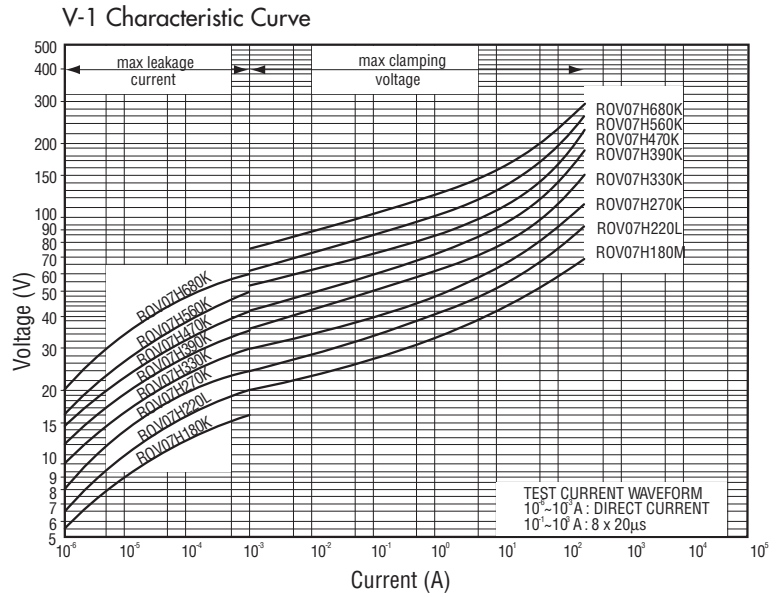
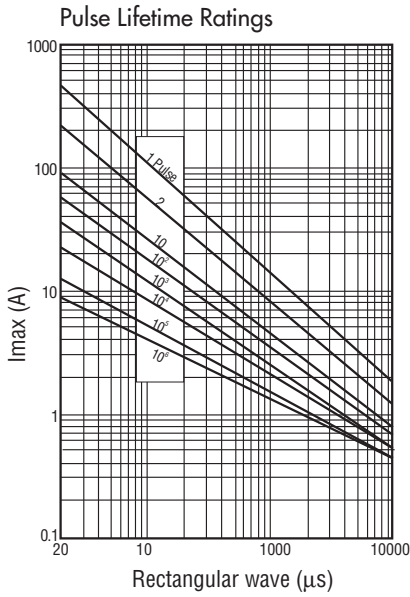


Figure V19 - ROV07H820K~ROV07H471K

