

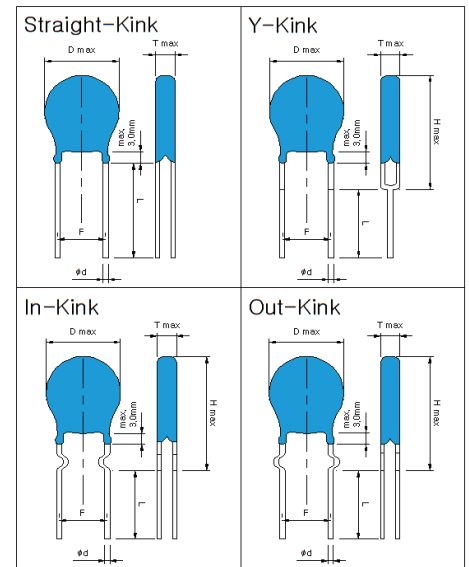
Lead Varistor Series, D 10 series

Construction

Round varistor element, leaded
Coating : epoxy resin

Features

UL and VDE safety approvals.
Varistor voltage Low voltage range 18V to 68V.
Varistor voltage Medium & High voltage range 82V to 1,200V.
Lower clamping voltage for better surge protection.



Dimension Table

Kink	Symbols	D max.	H max.	L	F	Φd	Tmax
Straight	S	14.0	-	Min. 4.0 ~ Max. 25.0	5.0 ± 1.0 7.5 ± 1.0	0.6 ± 0.1 0.8 ± 0.1	Please refer to electrical characteristics table
OUT - Kink	B		24.0				
IN - Kink	E						
Y - Kink	Y						

Low voltage (Power dissipation : 0.05W) Electrical characteristics

Part no. (Logo : HP)	Varistor Voltage			Max.		Max.		Energy		Peak Current		Dimen -sion	Part no. (Logo : SYP)
				Continuous		Clamping		(10/1000μs)		(8/20μs)			
	1mA(V)			Voltage(V)		Voltage(V)		Wtm(J)		Itm(A)			
	Min	V _{N(DC)}	Max.	V _{m(ac)}	V _{m(dc)}	V _{c(V)}	I _{p(A)}	S-series	U-serise	S-series	U-serise	Tmax(mm)	
HVR180D10	16	18	20	11	14	36	5	1.5	2.6	500	1,000	3.9	SVR180D10
HVR220D10	20	22	24	14	18	43	5	2.0	3.2	500	1,000	4.2	SVR220D10
HVR270D10	24	27	30	17	22	53	5	2.5	3.9	500	1,000	4.4	SVR270D10
HVR330D10	30	33	36	20	26	65	5	3.0	4.8	500	1,000	3.9	SVR330D10
HVR390D10	35	39	43	25	31	77	5	3.5	5.6	500	1,000	4.1	SVR390D10
HVR470D10	42	47	52	30	38	93	5	4.5	6.8	500	1,000	4.3	SVR470D10
HVR560D10	50	56	62	35	45	100	5	5.5	8.1	500	1,000	4.6	SVR560D10
HVR680D10	61	68	75	40	56	135	5	6.5	9.8	500	1,000	4.9	SVR680D10

➤ Medium & High voltage (Power dissipation : 0.4W) Electrical characteristics

Part no. (Logo : HP)	Varistor Voltage			Max.		Max.		Energy		Peak Current		Dimen -sion	Part no. (Logo : SYP)
				Continuous		Clamping		(10/1000μs)		(8/20μs)			
	1mA(V)			Voltage(V)		Voltage(V)		Wtm(J)		Itm(A)			
	Min	V _{N(DC)}	Max.	V _{m(ac)}	V _{m(dc)}	V _{c(V)}	I _{p(A)}	S-series	U-serise	S-series	U-serise	Tmax(mm)	
HVR820D10	74	82	90	50	65	135	25	8	14	2,500	3,500	3.9	SVR820D10
HVR101D10	90	100	110	60	85	165	25	10	17	2,500	3,500	4.2	SVR101D10
HVR121D10	108	120	132	75	100	200	25	12	20	2,500	3,500	4.4	SVR121D10
HVR151D10	135	150	165	95	125	250	25	16	25	2,500	3,500	4.7	SVR151D10
HVR181D10	162	180	198	115	150	300	25	18	30	2,500	3,500	3.8	SVR181D10
HVR201D10	180	200	220	130	170	340	25	20	35	2,500	3,500	3.9	SVR201D10
HVR221D10	198	220	242	140	180	360	25	23	39	2,500	3,500	4.0	SVR221D10
HVR241D10	216	240	264	150	200	395	25	25	42	2,500	3,500	4.1	SVR241D10
HVR271D10	243	270	297	175	225	455	25	30	49	2,500	3,500	4.2	SVR271D10
HVR331D10	297	330	363	210	275	550	25	30	58	2,500	3,500	4.5	SVR331D10
HVR361D10	324	360	396	230	300	595	25	35	65	2,500	3,500	4.7	SVR361D10
HVR391D10	351	390	429	250	320	650	25	40	70	2,500	3,500	4.8	SVR391D10
HVR431D10	387	430	473	275	350	710	25	45	80	2,500	3,500	5.0	SVR431D10
HVR471D10	423	470	517	300	385	775	25	45	85	2,500	3,500	5.2	SVR471D10
HVR561D10	504	560	616	350	460	915	25	45	92	2,500	3,500	5.5	SVR561D10
HVR621D10	558	620	682	385	505	1025	25	45	92	2,500	3,500	5.7	SVR621D10
HVR681D10	612	680	748	420	560	1120	25	45	92	2,500	3,500	5.8	SVR681D10
HVR751D10	675	750	825	460	615	1240	25	50	100	2,500	3,500	6.0	SVR751D10
HVR781D10	702	780	858	485	640	1290	25	50	104	2,500	3,500	6.3	SVR781D10
HVR821D10	738	820	902	510	670	1355	25	55	110	2,500	3,500	6.5	SVR821D10
HVR911D10	819	910	1,001	550	745	1500	25	60	130	2,500	3,500	6.6	SVR911D10
HVR102D10	900	1,000	1,100	625	825	1650	25	65	140	2,500	3,500	7.0	SVR102D10
HVR112D10	990	1,100	1,210	680	895	1815	25	70	155	2,500	3,500	7.4	SVR112D10