

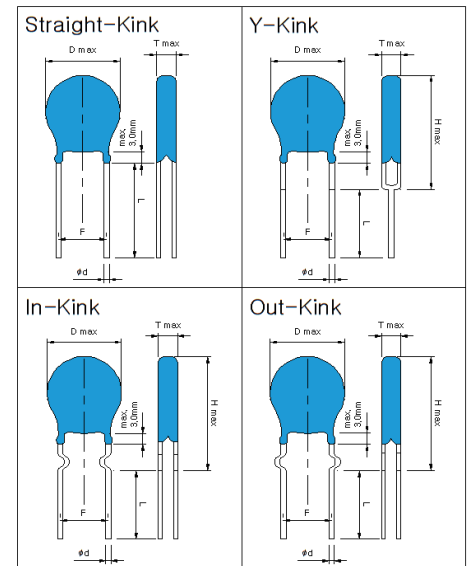
■ Lead Varistor Series, D 14 series

➤ 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 1,800V.
Lower clamping voltage for better surge protection.



➤ Dimension Table

Kink	Symbols	D max.	H max.	L	F	Φd	Tmax
Straight	S	18.0	-	Min. 4.0 ~ Max. 25.0	7.5 ± 1.0	0.6 ± 0.1 0.8 ± 0.1	Please refer to electrical characteristics table
OUT - Kink	B		27.0				
IN - Kink	E						
Y - Kink	Y						

➤ Low voltage (Power dissipation : 0.1W) 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		
HVR180D14	16	18	20	11	14	36	10	3.5	5.2	1,000	2,000	4.0	SVR180D14
HVR220D14	20	22	24	14	18	43	10	4.0	6.3	1,000	2,000	4.3	SVR220D14
HVR270D14	24	27	30	17	22	53	10	5.0	7.8	1,000	2,000	4.5	SVR270D14
HVR330D14	30	33	36	20	26	65	10	6.0	9.5	1,000	2,000	4.0	SVR330D14
HVR390D14	35	39	43	25	31	77	10	7.0	11.0	1,000	2,000	4.2	SVR390D14
HVR470D14	42	47	52	30	38	93	10	8.5	14.0	1,000	2,000	4.4	SVR470D14
HVR560D14	50	56	62	35	45	100	10	10.0	16.0	1,000	2,000	4.7	SVR560D14
HVR680D14	61	68	75	40	56	135	10	12.0	20.0	1,000	2,000	5.0	SVR680D14

➤ Medium & High voltage (Power dissipation : 0.6W) 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)	
HVR820D14	74	82	90	50	65	135	50	14	28	4,500	6,000	4.0	SVR820D14
HVR101D14	90	100	110	60	85	165	50	18	35	4,500	6,000	4.3	SVR101D14
HVR121D14	108	120	132	75	100	200	50	20	42	4,500	6,000	4.5	SVR121D14
HVR151D14	135	150	165	95	125	250	50	25	53	4,500	6,000	4.8	SVR151D14
HVR181D14	162	180	198	115	150	300	50	30	62	4,500	6,000	3.9	SVR181D14
HVR201D14	180	200	220	130	170	340	50	35	70	4,500	6,000	4.0	SVR201D14
HVR221D14	198	220	242	140	180	360	50	40	78	4,500	6,000	4.1	SVR221D14
HVR241D14	216	240	264	150	200	395	50	40	84	4,500	6,000	4.2	SVR241D14
HVR271D14	243	270	297	175	225	455	50	50	99	4,500	6,000	4.3	SVR271D14
HVR331D14	297	330	363	210	275	550	50	60	115	4,500	6,000	4.6	SVR331D14
HVR361D14	324	360	396	230	300	595	50	65	130	4,500	6,000	4.8	SVR361D14
HVR391D14	351	390	429	250	320	650	50	70	140	4,500	6,000	4.9	SVR391D14
HVR431D14	387	430	473	275	350	710	50	75	155	4,500	6,000	5.1	SVR431D14
HVR471D14	423	470	517	300	385	775	50	80	175	4,500	6,000	5.3	SVR471D14
HVR561D14	504	560	616	350	460	915	50	80	190	4,500	6,000	5.6	SVR561D14
HVR621D14	558	620	682	385	505	1025	50	85	190	4,500	6,000	5.8	SVR621D14
HVR681D14	612	680	748	420	560	1120	50	90	19	4,500	6,000	5.9	SVR681D14
HVR751D14	675	750	825	460	615	1240	50	100	210	4,500	6,000	6.1	SVR751D14
HVR781D14	702	780	858	485	640	1290	50	105	220	4,500	6,000	6.4	SVR781D14
HVR821D14	738	820	902	510	670	1355	50	110	235	4,500	6,000	6.6	SVR821D14
HVR911D14	819	910	1,001	550	745	1500	50	120	255	4,500	6,000	6.7	SVR911D14
HVR102D14	900	1,000	1,100	625	825	1650	50	130	280	4,500	6,000	7.1	SVR102D14
HVR112D14	990	1,100	1,210	680	895	1815	50	140	310	4,500	6,000	7.5	SVR112D14
HVR182D14	1,620	1,800	1,980	1000	1465	2970	50	240	-	4,500	-	11.5	SVR182D14