

■ Lead Varistor Series, D 07 series

► Construction

Round varistor element, leaded

Coating : epoxy resin

► Features

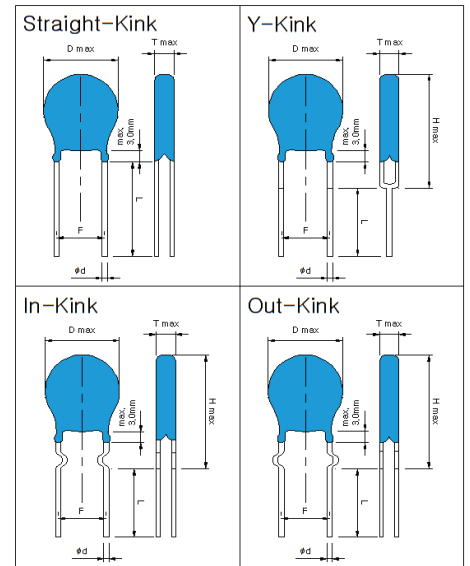
UL and VDE safety approvals.

Varistor voltage Low voltage range 18V to 68V.

Varistor voltage Medium & High voltage range 82V to 470V.

Lower clamping voltage for better surge protection.

► Dimension Table



Kink	Symbols	D max.	H max.	L	F	Φd	Tmax
Straight	S	9.0	-	Min. 4.0 ~ Max. 25.0	5.0 ± 1.0	0.6 ± 0.1	Please refer to electrical characteristics table
OUT - Kink	B		20.0				
IN - Kink	E						
Y - Kink	Y						

► Low voltage (Power dissipation : 0.02W) 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)	
HVR180D07	16	18	20	11	14	36	2.5	0.8	1.1	250	500	3.5	SVR180D07
HVR220D07	20	22	24	14	18	43	2.5	0.9	1.3	250	500	3.8	SVR220D07
HVR270D07	24	27	30	17	22	53	2.5	1.0	1.6	250	500	4.0	SVR270D07
HVR330D07	30	33	36	20	26	65	2.5	1.2	2.0	250	500	3.5	SVR330D07
HVR390D07	35	39	43	25	31	77	2.5	1.5	2.4	250	500	3.7	SVR390D07
HVR470D07	42	47	52	30	38	93	2.5	1.8	2.8	250	500	3.9	SVR470D07
HVR560D07	50	56	62	35	45	100	2.5	2.2	3.4	250	500	4.2	SVR560D07
HVR680D07	61	68	75	40	56	135	2.5	2.5	4.1	250	500	4.5	SVR680D07

➤ Medium & High voltage (Power dissipation : 0.25W) 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)	
HVR820D07	74	82	90	50	65	135	10	3.5	7.0	1,200	1,750	3.5	SVR820D07
HVR101D07	90	100	110	60	85	165	10	4.0	8.5	1,200	1,750	3.8	SVR101D07
HVR121D07	108	120	132	75	100	200	10	5.0	10.0	1,200	1,750	4.0	SVR121D07
HVR151D07	135	150	165	95	125	250	10	6.0	13.0	1,200	1,750	5.3	SVR151D07
HVR181D07	162	180	198	115	150	300	10	8.0	16.0	1,200	1,750	3.4	SVR181D07
HVR201D07	180	200	220	130	170	340	10	10.0	17.5	1,200	1,750	3.5	SVR201D07
HVR221D07	198	220	242	140	180	360	10	10.0	19.0	1,200	1,750	3.6	SVR221D07
HVR241D07	216	240	264	150	200	395	10	10.0	21.0	1,200	1,750	3.7	SVR241D07
HVR271D07	243	270	297	175	225	455	10	12.0	24.0	1,200	1,750	3.9	SVR271D07
HVR331D07	297	330	363	210	275	550	10	14.0	28.0	1,200	1,750	4.2	SVR331D07
HVR361D07	324	360	396	230	300	595	10	15.0	32.0	1,200	1,750	4.3	SVR361D07
HVR391D07	351	390	429	250	320	650	10	17.0	35.0	1,200	1,750	4.4	SVR391D07
HVR431D07	387	430	473	275	350	710	10	20.0	40.0	1,200	1,750	4.6	SVR431D07
HVR471D07	423	470	517	300	385	775	10	20.0	42.0	1,200	1,750	4.8	SVR471D07