

Lead Varistor Series, D 05 series

Construction

Round varistor element, leaded

Coating : epoxy resin

Features

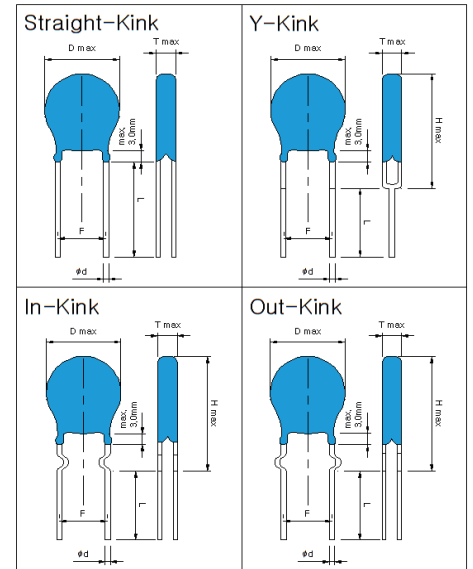
UL and VDE safety approvals.

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	7.5	-	Min. 4.0 ~ Max. 25.0	5.0 ± 1.0	0.6 ± 0.1	Please refer to electrical characteristics table
OUT - Kink	B		17.0				
IN - Kink	E						
Y - Kink	Y						

Low voltage (Power dissipation : 0.01W) 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		
HVR180D05	16	18	20	11	14	40	1	0.3	0.6	100	250	3.3	SVR180D05
HVR220D05	20	22	24	14	18	48	1	0.4	0.7	100	250	3.6	SVR220D05
HVR270D05	24	27	30	17	22	60	1	0.5	0.9	100	250	3.8	SVR270D05
HVR330D05	30	33	36	20	26	73	1	0.6	1.1	100	250	3.3	SVR330D05
HVR390D05	35	39	43	25	31	86	1	0.8	1.2	100	250	3.5	SVR390D05
HVR470D05	42	47	52	30	38	104	1	1.0	1.5	100	250	3.7	SVR470D05
HVR560D05	50	56	62	35	45	123	1	1.0	1.8	100	250	4.0	SVR560D05
HVR680D05	61	68	75	40	56	150	1	1.2	2.2	100	250	4.3	SVR680D05

➤ Medium & High 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	Tmax(mm)	
HVR820D05	74	82	90	50	65	145	5	1.7	3.5	400	800	3.3	SVR820D05
HVR101D05	90	100	110	60	85	175	5	2.0	4.0	400	800	3.6	SVR101D05
HVR121D05	108	120	132	75	100	210	5	2.5	5.0	400	800	3.8	SVR121D05
HVR151D05	135	150	165	95	125	260	5	3.0	6.5	400	800	4.1	SVR151D05
HVR181D05	162	180	198	115	150	315	5	3.5	7.5	400	800	3.2	SVR181D05
HVR201D05	180	200	220	130	170	355	5	4.0	8.5	400	800	3.3	SVR201D05
HVR221D05	198	220	242	140	180	380	5	4.5	9.0	400	800	3.4	SVR221D05
HVR241D05	216	240	264	150	200	415	5	5.0	10.5	400	800	3.5	SVR241D05
HVR271D05	243	270	297	175	225	475	5	6.0	11.0	400	800	3.7	SVR271D05
HVR331D05	297	330	363	210	275	580	5	6.5	13.0	400	800	4.0	SVR331D05
HVR361D05	324	360	396	230	300	620	5	7.5	16.0	400	800	4.1	SVR361D05
HVR391D05	351	390	429	250	320	675	5	8.0	17.0	400	800	4.2	SVR391D05
HVR431D05	387	430	473	275	350	745	5	9.0	20.0	400	800	4.4	SVR431D05
HVR471D05	423	470	517	300	385	810	5	10.0	21.0	400	800	4.6	SVR471D05