

Specifications

Part No.	Maximum Allowable Voltage		Maximum Energy		Withstanding Surge Current		Rated Wattage	Varistor Voltage	Maximum Clamping Voltage	Typical Capacitance (Reference)	UL	CS	D/E
	ACrms (V)	DC (V)	(10/1000μs) (J)	(2ms) (J)	1 time (A)	2 times (A)	(W)	V1mA (V)	V10A (V)	@1KHz (PF)			
182KD20	1000	1465	560.0	100.0	6500	4000	1.0	1800(1620-1980)	2970	220			
152KD20	750	1300	420.0	300.0				1500(1350-1650)	2475	260			
112KD20	680	895	280.0	200.0				1100(990-1210)	1815	360			*
102KD20	625	825	280.0	200.0				1000(900-1100)	1650	400	*	*	*
911KD20	550	745	280.0	200.0				910(819-1001)	1500	440	*	*	*
821KD20	510	670	266.0	190.0				820(738-902)	1355	500	*	*	*
781KD20	485	640	266.0	190.0				780(702-858)	1290	510	*	*	*
751KD20	460	615	266.0	190.0				750(675-825)	1240	530	*	*	*
681KD20	420	560	224.0	160.0				680(612-748)	1150	600	*	*	*
621KD20	385	505	224.0	160.0				620(558-682)	1025	650	*	*	*
561KD20	350	460	210.0	150.0				560(504-616)	920	710	*	*	*
511KD20	320	415	210.0	150.0				510(459-561)	845	780	*	*	*
471KD20	300	385	210.0	150.0				470(423-517)	775	850	*	*	*
431KD20	275	350	196.0	140.0				430(387-473)	710	930	*	*	*
391KD20	250	320	182.0	130.0				390(351-429)	650	1000	*	*	*
361KD20	230	300	168.0	120.0				360(324-396)	595	1100	*	*	*
331KD20	210	275	140.0	100.0				330(297-363)	550	1200	*	*	*
301KD20	190	250	133.0	95.0				300(270-330)	500	1300	*	*	*
271KD20	175	225	126.0	90.0				270(243-297)	455	1500	*	*	*
241KD20	150	200	112.0	80.0				240(216-264)	395	1650	*	*	*
221KD20	140	180	105.0	75.0				220(198-242)	360	1800	*	*	*
201KD20	130	170	98.0	70.0				200(185-225)	340	2000	*	*	*
181KD20	115	150	84.0	60.0				180(162-198)	300	2200	*		*
151KD20	95	125	70.0	50.0				150(135-165)	250	2700	*		*
121KD20	75	100	56.0	40.0				120(108-132)	200	3300	*		*
101KD20	60	85	42.0	30.0				100(90-110)	165	4000	*		*
820KD20	50	65	37.8	27.0	2000	1000	0.2	82(74-90)	135	4900	*		*
680KD20	40	56	23.8	17.0				68(61-75)	*135	5800	*		
560KD20	35	45	19.6	14.0				56(50-62)	*110	6500	*		
470KD20	30	38	16.3	12.0				47(42-52)	*93	7400	*		
390KD20	25	31	13.2	9.4				39(35-43)	*77	8500	*		

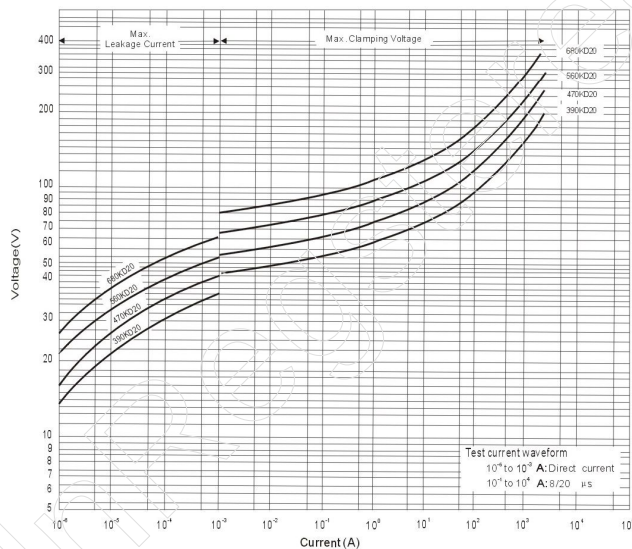
*680K--390K Max. Clamping Voltage testing current 25A.

Dimensions in mm

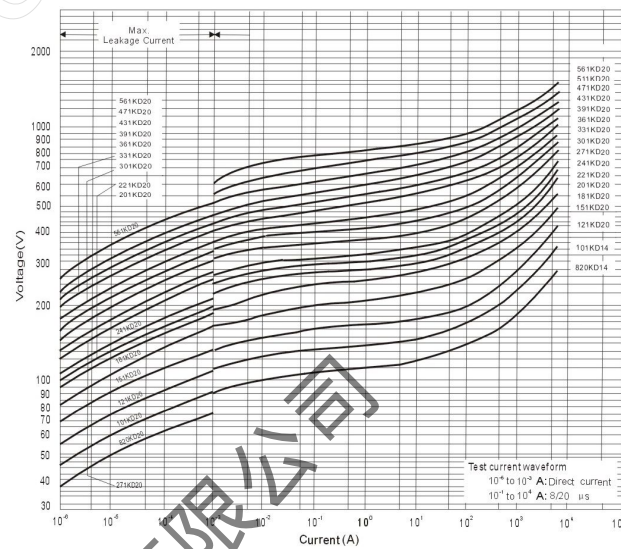
Dimensions(mm)	Model No.	T MAX.	D MAX.	H MAX.	d	E ±0.8	L MIN.
	390KD20 680KD20	5.5 5.8	25	28	0.8 1.0	7.5 10	20
	820KD20 471KD20	4.9 7.0	25	28	0.8 1.0	7.5 10	20
	511KD20 152KD20	7.0 10.1	25	30	0.8 1.0	8	20
	182KD20	14.8	25	30	1.0	15(±1.0)	20

V-I CURVES AND LIFE TIME

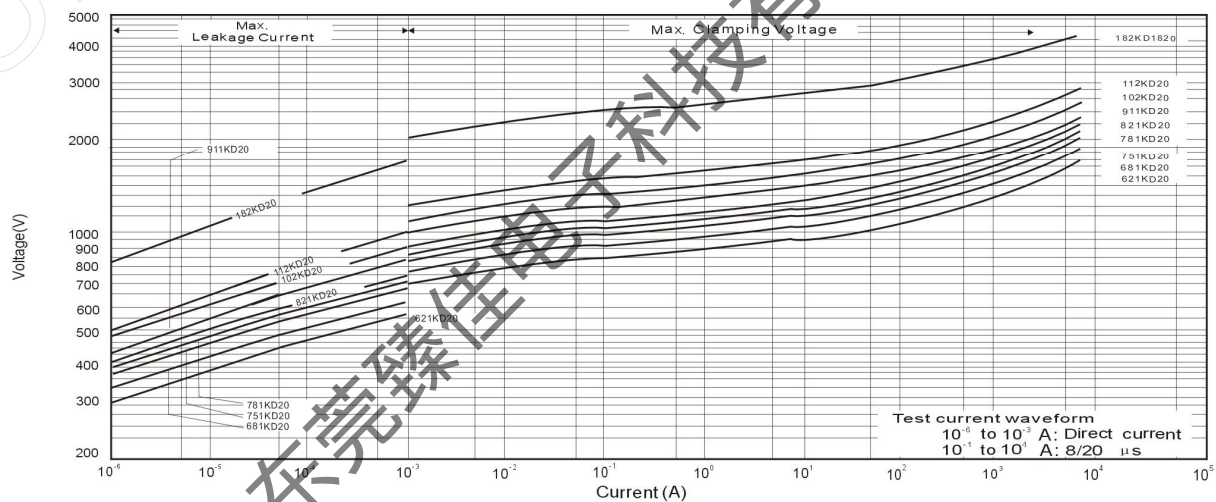
V-I Curve [390KD20 to 680KD20]



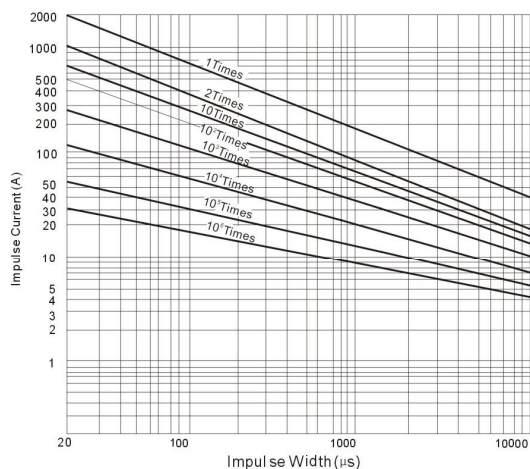
V-I Curve [820KD20 to 561KD20]



V-I Curve [621KD20 to 182KD20]



Vsurge Time Ratings [390KD20 to 680KD20]



Vsurge Time Ratings [820KD20 to 182KD20]

