

PART NUMBER CODE

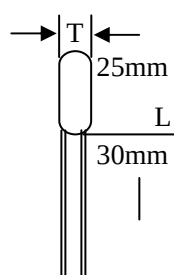
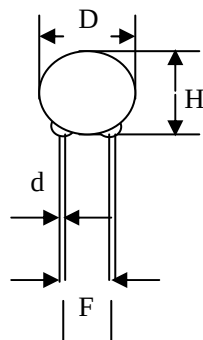
20 D 220 K

① ② ③ ④

- ① Element dia.20: $\phi 20.0\text{mm}$;
 ② Disc type;
 ③ Varistor voltage, examples: 220—— $22 \times 10^0 = 22\text{V}$, 221—— $22 \times 10^1 = 220\text{V}$;
 ④ Tolerance, K=±10%, or customer special requirement;

DIMENSIONS

(unit: mm)



D(max)	23mm
F	7.5±0.8/10±1.0mm
H(max)	26.5mm
L	25-30mm
d (±0.02)	0.8/1.0mm

T Thickness (max) (unit: mm)

Part Code	20D	Part Code	20D
20D180L	4.8	20D331K	6.0
20D220K	4.9	20D361K	6.2
20D270K	5.0	20D391K	6.4
20D330K	5.2	20D431K	6.7
20D390K	5.5	20D471K	6.9
20D470K	5.6	20D511K	7.0
20D560K	5.7	20D561K	7.2
20D680K	5.8	20D621K	7.5
20D820K	4.9	20D681K	7.8
20D101K	5.1	20D751K	8.2
20D121K	5.3	20D781K	8.3
20D151K	5.6	20D821K	8.5
20D181K	5.0	20D911K	9.0
20D201K	5.2	20D102K	9.5
20D221K	5.3	20D112K	10.1
20D241K	5.4	20D122K	10.6
20D271K	5.5	20D182K	13.2
20D301K	5.7		

PACKAGING

Model	Component Package	Quantity
20D□□□K	20.0mm	200

ELECTRICAL CHARACTERISTIC

Part Number Φ 20.0mm		Maximum allowable voltage		Varistor voltage	Clamping voltage (Max.)		Maximum peak current (8/20μs)		Maximum peak current (8/20μs)		Rated power	Typical capacitance (Reference)
Standard	High surge	AC.rms (V)	DC (V)	V1.0mA (V)	VC (V)	IP (A)	Standard (A)	High surge (A)	Standard (J)	High surge (J)	(W)	@1KHz(pf)
20D180L	J	10	14	18(15-21)	36	20	2000	3000	11	13	0.20	28500
20D220K	J	14	18	22(20-24)	43				14	16		18500
20D270K	J	17	22	27(24-30)	53				16	19		13000
20D330K	J	20	26	33(30-36)	65				23	24		11500
20D390K	J	25	31	39(35-43)	77				26	28		8500
20D470K	J	30	38	47(42-52)	93				30	34		7400
20D560K	J	35	45	56(50-62)	110				41	41		6500
20D680K	J	40	56	68(61-75)	135				46	49		5800
20D820K	J	50	65	85(74-90)	135	100	6500	10000	38	56	1.00	4900
20D101K	J	60	85	100(90-110)	165				45	70		4000
20D121K	J	75	100	120(108-132)	200				55	85		3300
20D151K	J	95	125	150(135-165)	250				70	106		2700
20D181K	J	115	150	180(162-198)	300				85	130		2200
20D201K	J	130	170	200(185-225)	340				95	140		2000
20D221K	J	140	180	220(198-242)	360				100	155		1800
20D241K	J	150	200	240(216-264)	395				108	168		1650
20D271K	J	175	225	270(243-297)	455				127	190		1500
20D301K	J	190	250	300(270-330)	500				136	210		1300
20D331K	J	210	275	330(297-363)	550				150	228		1200
20D361K	J	230	300	360(324-396)	595				163	255		1100
20D391K	J	250	320	390(351-429)	650				180	275		1000
20D431K	J	275	350	430(387-473)	710				190	305		930
20D471K	J	300	385	470(426-517)	775				220	350		850
20D511K	J	320	415	510(459-561)	845				220	360		780
20D561K	J	350	460	560(504-616)	925				220	380		710
20D621K	J	385	505	620(558-682)	1025				220	390		650
20D681K	J	420	560	680(612-748)	1120				230	400		600
20D751K	J	460	615	750(675-825)	1240				255	420		530
20D781K	J	485	640	780(702-858)	1290				265	440		510
20D821K	J	510	670	820(738-902)	1355				282	460		500
20D911K	J	550	745	910(819-1001)	1500				310	510		440
20D102K	J	625	825	1000(900-1100)	1650				342	565		400

Part Number Φ 20.0mm		Maximum allowable voltage		Varistor voltage	Clamping voltage (Max.)		Maximum peak current (8/20μs)		Maximum peak current 8/20μs)		Rated power	Typical capacitance (Reference)
Standard	High surge	AC.rms (V)	DC (V)	V1.0mA (V)	VC (V)	IP (A)	Standar d (A)	High surge (A)	Standar d (J)	High surge (J)	(W)	@1KHz(pf)
20D112K	J	680	895	1100(990-1210)	1815	100	6500	10000	383	620	1.00	360
20D122K	J	700	990	1200(1080-1320)	1880				408	660		320
20D182K	J	1100	1465	1800(1620-1980)	2970				625	660		320