

**PART NUMBER CODE**

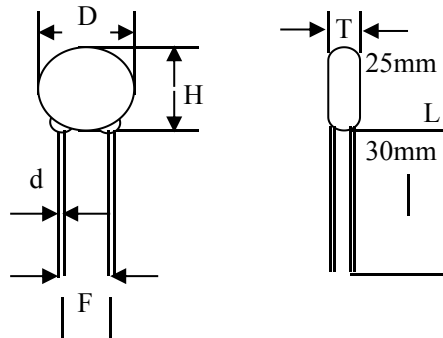
**14 D 220 K**

① ② ③ ④

- ① Element dia.14:  $\phi 14.0\text{mm}$ ;
- 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= $\pm 10\%$ , or customer special requirement;

**DIMENSIONS**

(unit: mm)



D(max)	16.5mm
F( $\pm 0.8$ )	7.5mm
H(max)	20.0mm
L	25-30mm
d ( $\pm 0.02$ )	0.8mm

**T Thickness (max)** (unit: mm)

Part Code	14D	Part Code	14D
14D180L	4.6	14D331K	5.8
14D220K	4.7	14D361K	6.0
14D270K	4.8	14D391K	6.2
14D330K	5.0	14D431K	6.5
14D390K	5.3	14D471K	6.7
14D470K	5.4	14D511K	6.8
14D560K	5.5	14D561K	7.0
14D680K	5.6	14D621K	7.3
14D820K	4.7	14D681K	7.6
14D101K	4.9	14D751K	8.0
14D121K	5.1	14D781K	8.1
14D151K	5.4	14D821K	8.3
14D181K	4.8	14D911K	8.8
14D201K	5.0	14D102K	9.3
14D221K	5.1	14D112K	9.9
14D241K	5.2	14D122K	10.4
14D271K	5.4	14D182K	13.0
14D301K	5.5		

**PACKAGING**

Model	Component Package	Quantity
14D□□□K	14.0mm	500

**ELECTRICAL CHARACTERISTIC**

Part Number		Maximum allowable voltage		Varistor voltage	Clamping voltage (Max.)			Maximum peak current (8/20 $\mu$ s)		Maximum peak current (8/20 $\mu$ s)		Rated power	Typical capacitance (Reference)
$\Phi$ 14.0mm		AC.rms	DC	V1.0mA	VC	IP	Standard	High surge	Standard	High surge	(W)	@1KHz(pf)	
Standard	High surge	(V)	(V)	(V)	(V)	(A)	(A)	(A)	(J)	(J)			
14D180L	J	10	14	18(15-21)	36	10	1000	2000	4.0	7.0	0.1	11100	
14D220K	J	14	18	22(20-24)	43				9100				
14D270K	J	17	22	27(24-30)	53				7400				
14D330K	J	20	26	33(30-36)	65				6100				
14D390K	J	25	31	39(35-43)	77				5100				
14D470K	J	30	38	47(42-52)	93				4300				
14D560K	J	35	45	56(50-62)	110				3600				
14D680K	J	40	56	68(61-75)	135				2900				
14D820K	J	50	65	85(74-90)	135	50	4500	6000	22.0	27	0.6	2400	
14D101K	J	60	85	100(90-110)	165				2000				
14D121K	J	75	100	120(108-132)	200				1700				
14D151K	J	95	125	150(135-165)	250				1300				
14D181K	J	115	150	180(162-198)	300				1100				
14D201K	J	130	170	200(185-225)	340				1000				
14D221K	J	140	180	220(198-242)	360				900				
14D241K	J	150	200	240(216-264)	395				830				
14D271K	J	175	225	270(243-297)	455				740				
14D301K	J	190	250	300(270-330)	500				670				
14D331K	J	210	275	330(297-363)	550				610				
14D361K	J	230	300	360(324-396)	595				560				
14D391K	J	250	320	390(351-429)	650				510				
14D431K	J	275	350	430(387-473)	710				460				
14D471K	J	300	385	470(426-517)	775				430				
14D511K	J	320	415	510(459-561)	845				390				
14D561K	J	350	460	560(504-616)	925	360							
14D621K	J	385	505	620(558-682)	1025	320							
14D681K	J	420	560	680(612-748)	1120	290							
14D751K	J	460	615	750(675-825)	1240	270							
14D781K	J	485	640	780(702-858)	1290	260							
14D821K	J	510	670	820(738-902)	1355	240							
14D911K	J	550	745	910(819-1001)	1500	220							
14D102K	J	625	825	1000(900-1100)	1650	200							

Part Number $\Phi$ 14.0mm		Maximum allowable voltage		Varistor voltage	Clamping voltage (Max.)		Maximum peak current (8/20 $\mu$ s)		Maximum peak current 8/20 $\mu$ s)		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)
14D112K	J	680	895	1100(990-1210)	1815	50	4500	6000	213	310	0.6	180
14D122K	J	700	990	1200(1080-1320)	1880				213	310		150
14D182K	J	1100	1465	1800(1620-1980)	2970				5000	250		335

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