

20mm Metal Oxide Varistor

PC38 are nonlinear two electrode semiconductor voltage-dependant resistors, which are designed for transient voltage suppression and surge energy absorption. Transient over-voltage are a major cause for malfunction or total failure of electronic circuitry and equipment.



Specifications

- * Wide operating voltage range: Vdc from 14V to 1465V
- * Large absorbing transient energy capability
- * Very short response time
- * Low clamping ratio and no follow-on current
- * High resistance insulation material prevents the electric arcing to the adjacent devices

Part No. 20D	Max. Allowable Voltage		Varistor Voltage		Max. Clamping Voltage		Max. Peak Current		Max. Energy		Rated Power (W)	Typical Capacitance @1KHZ (pF)	Max. Thickness (mm)	Certificate		
			V@1Ma (V)	Vc (V)	IP (A)	@ 8/20us	@ 10/1000us (J)	UL	CSA	VDE						
180K	11	14	18	(15-21)	36	20	2000	3000	11	13	0.2	28500	4.8	*	*	*
220K	14	18	22	(20-24)	43	20	2000	3000	14	16	0.2	18500	4.9	*	*	*
270K	17	22	27	(24-30)	53	20	2000	3000	16	19	0.2	13000	5.0	*	*	*
330K	20	26	33	(30-36)	65	20	2000	3000	23	24	0.2	11500	5.2	*	*	*
390K	25	31	39	(35-43)	77	20	2000	3000	26	28	0.2	8500	5.5	*	*	*
470K	30	38	47	(42-52)	93	20	2000	3000	30	34	0.2	7400	5.6	*	*	*
560K	35	45	56	(50-62)	110	20	2000	3000	41	41	0.2	6500	5.7	*	*	*
680K	40	56	68	(61-75)	135	20	2000	3000	46	49	0.2	5800	5.8	*	*	*
820K	50	65	82	(74-90)	135	100	6500	10000	38	56	1.0	4900	4.9	*	*	*
101K	60	85	100	(90-110)	165	100	6500	10000	45	70	1.0	4000	5.1	*	*	*
121K	75	100	120	(108-132)	200	100	6500	10000	55	85	1.0	3300	5.3	*	*	*
151K	95	125	150	(135-165)	250	100	6500	10000	70	106	1.0	2700	5.6	*	*	*
181K	115	150	180	(162-198)	300	100	6500	10000	85	130	1.0	2200	5.0	*	*	*
201K	130	170	200	(185-225)	340	100	6500	10000	95	140	1.0	2000	5.2	*	*	*
221K	140	180	220	(198-242)	360	100	6500	10000	100	155	1.0	1800	5.3	*	*	*
241K	150	200	240	(216-264)	395	100	6500	10000	108	168	1.0	1650	5.4	*	*	*
271K	175	225	270	(243-297)	455	100	6500	10000	127	190	1.0	1500	5.6	*	*	*
301K	190	250	300	(270-330)	500	100	6500	10000	136	210	1.0	1300	5.7	*	*	*
331K	210	275	330	(297-363)	550	100	6500	10000	150	228	1.0	1200	6.0	*	*	*
361K	230	300	360	(324-396)	595	100	6500	10000	163	255	1.0	1100	6.2	*	*	*
391K	250	320	390	(351-429)	650	100	6500	10000	180	275	1.0	1000	6.4	*	*	*
431K	275	350	430	(387-473)	710	100	6500	10000	190	305	1.0	930	6.7	*	*	*
471K	300	385	470	(423-517)	775	100	6500	10000	220	350	1.0	850	6.9	*	*	*
511K	320	415	510	(459-561)	845	100	6500	10000	220	360	1.0	780	7.0	*	*	*
561K	350	460	560	(504-616)	925	100	6500	10000	220	380	1.0	710	7.2	*	*	*
621K	385	505	620	(558-682)	1025	100	6500	10000	220	390	1.0	650	7.5	*	*	*
681K	420	560	680	(612-748)	1120	100	6500	10000	230	400	1.0	600	7.8	*	*	*
751K	460	615	750	(675-825)	1240	100	6500	10000	255	420	1.0	530	8.2	*	*	*
781K	485	640	780	(702-858)	1290	100	6500	10000	265	440	1.0	510	8.3	*	*	*
821K	510	670	820	(738-902)	1355	100	6500	10000	282	460	1.0	500	8.5	*	*	*
911K	550	745	910	(819-1001)	1500	100	6500	10000	310	510	1.0	440	9.0	*	*	*
102K	625	825	1000	(900-1100)	1350	100	6500	10000	342	565	1.0	400	9.5	*	*	*
112K	680	895	1100	(990-1210)	1815	100	6500	10000	383	620	1.0	360	10.1	*	*	*
122K	750	990	1200	(1080-1320)	1980	100	6500	10000	408	660	1.0	320	10.6	-	*	*
182K	1100	1465	1800	(1620-1980)	2970	100	6500	10000	625	660	1.0	320	13.2	-	*	-