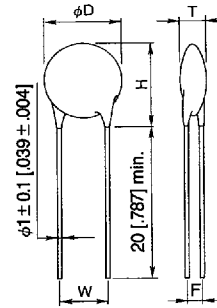


## AVR-G20D TYPE

Dimensions in mm [inches]

Part No.	D max.	T max.	W ± 1 [.039]	H max.	F ± 1 [.039]
AVR-G20D220K	24 [.945]	5.8 [.228]	10 [.394]	28 [1.102]	1.8 [.071]
AVR-G20D270K	24 [.945]	5.8 [.228]	10 [.394]	28 [1.102]	1.8 [.071]
AVR-G20D330K	24 [.945]	6 [.236]	10 [.394]	28 [1.102]	2.1 [.083]
AVR-G20D390K	24 [.945]	6.3 [.248]	10 [.394]	28 [1.102]	2.4 [.094]
AVR-G20D470K	24 [.945]	6.6 [.260]	10 [.394]	28 [1.102]	2.7 [.106]
AVR-G20D560K	24 [.945]	5.7 [.224]	10 [.394]	28 [1.102]	2.2 [.087]
AVR-G20D680K	24 [.945]	6 [.236]	10 [.394]	28 [1.102]	2.5 [.098]
AVR-G20D820K	24 [.945]	5.3 [.209]	10 [.394]	28 [1.102]	1.8 [.071]
AVR-G20D101K	24 [.945]	5.5 [.217]	10 [.394]	28 [1.102]	2 [.079]
AVR-G20D121K	24 [.945]	5.7 [.224]	10 [.394]	28 [1.102]	2.2 [.087]
AVR-G20D201K	24 [.945]	6 [.236]	10 [.394]	28 [1.102]	2.1 [.083]
AVR-G20D221K	24 [.945]	6.2 [.244]	10 [.394]	28 [1.102]	2.2 [.087]
AVR-G20D241K	24 [.945]	6.3 [.248]	10 [.394]	28 [1.102]	2.3 [.091]
AVR-G20D271K	24 [.945]	6.5 [.256]	10 [.394]	28 [1.102]	2.4 [.094]
AVR-G20D331K	24 [.945]	6.8 [.268]	10 [.394]	28 [1.102]	2.9 [.114]
AVR-G20D361K	24 [.945]	7.2 [.283]	10 [.394]	28 [1.102]	3 [.118]
AVR-G20D391K	24 [.945]	7.4 [.291]	10 [.394]	28 [1.102]	3.2 [.126]
AVR-G29D431K	24 [.945]	7.7 [.303]	10 [.394]	28 [1.102]	3.5 [.138]
AVR-G20D471K	24 [.945]	8 [.315]	10 [.394]	28 [1.102]	3.8 [.150]



## ELECTRICAL CHARACTERISTICS

### Varistor voltage: 22 to 68V

Part No.	Varistor voltage V <sub>1mA</sub> (V)	Maximum circuit voltage		Maximum voltage V <sub>20A</sub> (V)	Rated power (W)	Energy (J) 2ms	Surge current (A)	Capacitance (pF) at 1 kHz ref.
		(Vac.rms)	(Vdc)					
AVR-G20D220K	22 [20 to 24]	14	18	45	0.2	26	2000	38000
AVR-G20D270K	27 [24 to 30]	17	22	53	0.2	30	2000	31000
AVR-G20D330K	33 [30 to 36]	20	26	65	0.2	40	2000	25000
AVR-G20D390K	39 [35 to 43]	25	31	77	0.2	48	2000	21000
AVR-G20D470K	47 [42 to 52]	30	38	93	0.2	60	2000	18000
AVR-G20D560K	56 [50 to 62]	35	45	110	0.2	35	2000	12000
AVR-G20D680K	68 [61 to 75]	40	56	135	0.2	40	2000	10000

### Varistor voltage: 82 to 470V

Part No.	Varistor voltage V <sub>1mA</sub> (V)	Maximum circuit voltage		Maximum voltage V <sub>100A</sub> (V)	Rated power (W)	Energy (J) 2ms	Surge current (A)	Capacitance (pF) at 1 kHz ref.
		(Vac.rms)	(Vdc)					
AVR-G20D820K	82 [74 to 90]	50	65	135	1	27	6500	8500
AVR-G20D101K	100 [90 to 110]	60	85	165	1	30	6500	7000
AVR-G20D121K	120 [108 to 132]	75	100	200	1	40	6500	6000
AVR-G20D201K	200 [185 to 225]	130	170	340	1	70	6500	4000
AVR-G20D221K	220 [198 to 242]	140	180	360	1	75	6500	3500
AVR-G20D241K	240 [216 to 264]	150	200	395	1	80	6500	3200
AVR-G20D271K	270 [247 to 303]	175	225	455	1	90	6500	2800
AVR-G20D331K	330 [297 to 363]	210	270	550	1	110	6500	2300
AVR-G20D361K	360 [324 to 396]	230	300	595	1	120	6500	2100
AVR-G20D391K	390 [351 to 429]	250	320	650	1	130	6500	2000
AVR-G20D431K	430 [387 to 473]	275	350	710	1	140	6500	1800
AVR-G20D471K	470 [423 to 517]	300	385	775	1	150	6500	1600