

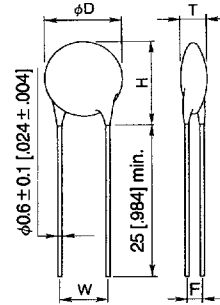
Varistors

AVR-G SERIES (Operating temperature range: - 40 to +85°C [- 40 to +185°F])

AVR-G05D TYPE

Dimensions in mm [inches]

Part No.	D max.	T max.	W ± 1 [.039]	H max.	F ± 1 [.039]
AVR-G05D220K	7.5 [.295]	5.8 [.228]	5 [.197]	10.5 [.413]	1.5 [.059]
AVR-G05D270K	7.5 [.295]	5.8 [.228]	5 [.197]	10.5 [.413]	1.6 [.063]
AVR-G05D330K	7.5 [.295]	6 [.236]	5 [.197]	10.5 [.413]	1.9 [.075]
AVR-G05D390K	7.5 [.295]	6.3 [.248]	5 [.197]	10.5 [.413]	2.1 [.083]
AVR-G05D470K	7.5 [.295]	6.6 [.260]	5 [.197]	10.5 [.413]	2.5 [.098]
AVR-G05D560K	7.5 [.295]	4.9 [.193]	5 [.197]	10.5 [.413]	1.8 [.071]
AVR-G05D680K	7.5 [.295]	5.2 [.205]	5 [.197]	10.5 [.413]	2.1 [.083]
AVR-G05D820K	7.5 [.295]	4.5 [.177]	5 [.197]	10.5 [.413]	1.4 [.055]
AVR-G05D101K	7.5 [.295]	4.6 [.181]	5 [.197]	10.5 [.413]	1.5 [.059]
AVR-G05D121K	7.5 [.295]	4.8 [.189]	5 [.197]	10.5 [.413]	1.7 [.067]
AVR-G05D201K	7.5 [.295]	5.2 [.205]	5 [.197]	10.5 [.413]	2 [.079]
AVR-G05D221K	7.5 [.295]	5.3 [.209]	5 [.197]	10.5 [.413]	2.1 [.083]
AVR-G05D241K	7.5 [.295]	5.4 [.213]	5 [.197]	10.5 [.413]	2.2 [.087]
AVR-G05D271K	7.5 [.295]	5.6 [.220]	5 [.197]	10.5 [.413]	2.4 [.094]
AVR-G05D331K	7.5 [.295]	5.8 [.228]	5 [.197]	10.5 [.413]	2.7 [.106]
AVR-G05D361K	7.5 [.295]	6.2 [.244]	5 [.197]	10.5 [.413]	2.8 [.110]
AVR-G05D391K	7.5 [.295]	6.4 [.252]	5 [.197]	10.5 [.413]	3 [.118]
AVR-G05D431K	7.5 [.295]	6.7 [.264]	5 [.197]	10.5 [.413]	3.3 [.130]
AVR-G05D471K	7.5 [.295]	7 [.276]	5 [.197]	10.5 [.413]	3.5 [.138]



ELECTRICAL CHARACTERISTICS

Varistor voltage: 22 to 68V

Part No.	Varistor voltage V _{0.1mA} (V)	Maximum circuit voltage		Maximum voltage V _{1A} (V)	Rated power (W)	Energy (J) 2ms	Surge current (A)	Capacitance (pF) at 1 kHz ref.
		(Vac.rms)	(Vdc)					
AVR-G05D220K	22 [20 to 24]	14	18	48	0.01	0.9	100	2300
AVR-G05D270K	27 [24 to 30]	17	22	60	0.01	1	100	1900
AVR-G05D330K	33 [30 to 36]	20	26	73	0.01	1.2	100	1600
AVR-G05D390K	39 [35 to 43]	25	31	86	0.01	1.5	100	1300
AVR-G05D470K	47 [42 to 52]	30	38	104	0.01	1.8	100	1100
AVR-G05D560K	56 [50 to 62]	35	45	123	0.01	1	100	700
AVR-G05D680K	68 [61 to 75]	40	56	150	0.01	1.2	100	600

Varistor voltage: 82 to 470V

Part No.	Varistor voltage V _{0.1mA} (V)	Maximum circuit voltage		Maximum voltage V _{5A} (V)	Rated power (W)	Energy (J) 2ms	Surge current (A)	Capacitance (pF) at 1 kHz ref.
		(Vac.rms)	(Vdc)					
AVR-G05D820K	82 [74 to 90]	50	65	145	0.1	1.7	400	500
AVR-G05D101K	100 [90 to 110]	60	85	175	0.1	2	400	450
AVR-G05D121K	120 [108 to 132]	75	100	210	0.1	2.5	400	400
AVR-G05D201K	200 [185 to 225]	130	170	355	0.1	4	400	270
AVR-G05D221K	220 [198 to 242]	140	180	380	0.1	4.5	400	250
AVR-G05D241K	240 [216 to 264]	150	200	415	0.1	5	400	230
AVR-G05D271K	270 [247 to 303]	175	225	475	0.1	6	400	200
AVR-G05D331K	330 [297 to 363]	210	270	600	0.1	7	400	170
AVR-G05D361K	360 [324 to 396]	230	300	620	0.1	7.5	400	150
AVR-G05D391K	390 [351 to 429]	250	320	675	0.1	8	400	140
AVR-G05D431K	430 [387 to 473]	275	350	745	0.1	9	400	130
AVR-G05D471K	470 [423 to 517]	300	385	810	0.1	10	400	120