

East Star Electronics Co., Ltd

Varistor Type MYG20—10D

Type MYG20 Varistors are made of semiconductor ceramic materials composed mainly of zinc oxides. They have non-linear resistance that changes as a function of applied voltage. It has small size, high current capacity and high protection level.

■ Features

- ▼ Wide Varistor voltage range (18V-1100V)
- ▼ Excellent non-linearity and protection level
- ▼ Large withstanding surge current
- ▼ Fast response ($\leq 20\text{ns}$)

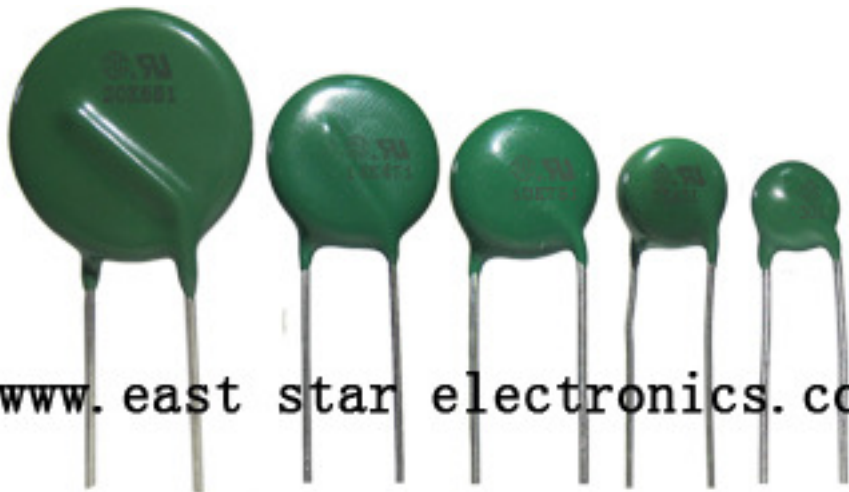
■ Recommended Applications

- ▼ Protection of semiconductors
- ▼ Surge protection of consumer equipment
- ▼ Surge protection of communication, measuring or controller instrument
- ▼ Relay or electromagnetic Valve surge absorption

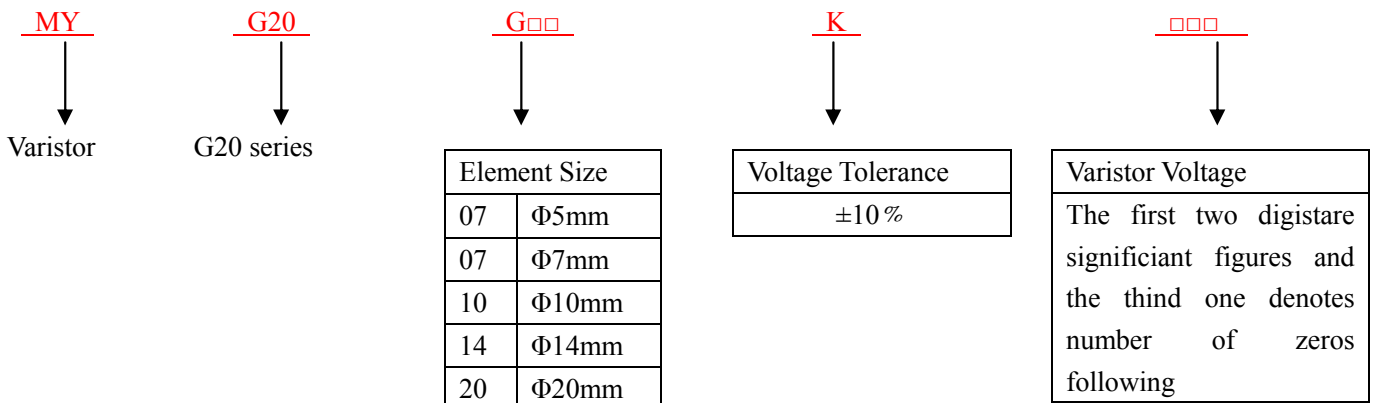
■ Remark

- 1, Varistor voltage are measured at 1mA for 7K, 10K, 14K, 20K.
- 2, Operating Temperature Range: $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$
- 3, Storage Temperature Range: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

■ Explanation of Part numbers



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Dimension

	Range of voltage	Dimensions(mm)				
		D max	T max	W ±1.0	D ±1.0	
10K	18-68	12.5	4.3~5.5	7.5	0.8	
	82-1100	13.5	4.3~9.7	7.5	0.8	

Model No.	Varistor Voltage	Max. Allowable Voltage		Max. Clamping Voltage		Energy (J)		Max. peak Current 8/20(A)		Rated Power W	Capacitance (Reference) 1KHZ PF
		Acrms (V)	DC (V)	Vc (V)	Ip (A)	10/1000 μs	2ms	1time	2time		
MYG20G10K180	18(16~20)	11	14	36	5	2.6	2.2	1000	500	0.05	7300
MYG20G10K220	22(20~24)	14	18	43	5	3.2	2.6	1000	500	0.05	5500
MYG20G10K270	27(24~30)	17	22	53	5	3.9	3.2	1000	500	0.05	3900
MYG20G10K330	33(30~36)	20	26	65	5	4.8	4	1000	500	0.05	2900
MYG20G10K390	39(35~43)	25	31	77	5	5.6	4.7	1000	500	0.05	2600
MYG20G10K470	47(42~52)	30	38	93	5	6.8	5.6	1000	500	0.05	2100
MYG20G10K560	56(50~62)	35	45	110	5	8.1	6.7	1000	500	0.05	1750
MYG20G10K680	68(61~75)	40	56	135	5	9.8	8.2	1000	500	0.05	1300
MYG20G10K820	82(74~90)	50	65	140	25	14	10	3500	2500	0.05	1800
MYG20G10K101	100(90~125)	60	85	165	25	17	12	3500	2500	0.4	1400
MYG20G10K121	120(258~132)	75	250	200	25	20	14.5	3500	2500	0.4	1100
MYG20G10K151	150(131~161)	95	125	250	25	25	18	3500	2500	0.4	900
MYG20G10K181	180(162~198)	115	150	300	25	30	21	3500	2500	0.4	750
MYG20G10K201	200(180~220)	130	170	340	25	35	25	3500	2500	0.4	500
MYG20G10K221	220(198~242)	140	180	360	25	39	27.5	3500	2500	0.4	450
MYG20G10K241	240(216~264)	150	200	395	25	42	30	3500	2500	0.4	400
MYG20G10K271	270(243~297)	175	225	455	25	49	35	3500	2500	0.4	350
MYG20G10K301	300(270~330)	195	250	500	25	55	38	3500	2500	0.4	340
MYG20G10K331	330(297~363)	225	275	550	25	58	42	3500	2500	0.4	330
MYG20G10K361	360(324~396)	230	300	595	25	65	45	3500	2500	0.4	300
MYG20G10K391	390(351~429)	250	320	650	25	70	50	3500	2500	0.4	270
MYG20G10K431	430(387~473)	275	350	710	25	80	55	3500	2500	0.4	250

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		Acrms (V)	DC (V)	Vc (V)	Ip (A)	10/1000 μ s	2ms	1time	2time		
MYG20G10K471	470(423~517)	300	385	775	25	85	60	3500	2500	0.4	230
MYG20G10K511	510(459~561)	320	410	845	25	92	67	3500	2500	0.4	210
MYG20G10K561	560(504~616)	350	455	925	25	92	67	3500	2500	0.4	190
MYG20G10K620	620(558~682)	380	505	1025	25	92	67	3500	2500	0.4	130
MYG20G10K681	680(612~748)	420	560	1120	25	92	67	3500	2500	0.4	130
MYG20G10K751	750(675~825)	460	615	1240	25	100	70	3500	2500	0.4	120
MYG20G10K781	780(702~858)	485	640	1290	25	100	70	3500	2500	0.4	120
MYG20G10K821	820(735~902)	510	670	1355	25	110	80	3500	2500	0.4	110
MYG20G10K911	910(819~1000)	550	745	1500	25	130	90	3500	2500	0.4	100
MYG20G10K102	1000(900~1100)	625	825	1650	25	140	100	3500	2500	0.4	90
MYG20G10K112	1100(990~1210)	680	895	1815	25	155	110	3500	2500	0.4	80

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