



Varistor Series

VARISTOR



N series

φ 5mm (Varistor--N series)

Part Number	Varistor Voltage V@ 1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage		Withstanding Surge Current (8/20 us)		Rated Wattage	Energy (10/1000 μs)
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@ 10A (V)		1 Time (A)	2 Times (A)	(W)	(J)
JVR05N180M65□□□	18	±20%	11	14	● ¹⁾	40	100	50	0.01	0.6
JVR05N220L65□□□	22	±15%	14	18	● ¹⁾	48	100	50	0.01	0.7
JVR05N270K65□□□	27	±10%	17	22	● ¹⁾	60	100	50	0.01	0.9
JVR05N330K65□□□	33	±10%	20	26	● ¹⁾	73	100	50	0.01	1.1
JVR05N390K65□□□	39	±10%	25	31	● ¹⁾	86	100	50	0.01	1.2
JVR05N470K65□□□	47	±10%	30	38	● ¹⁾	104	100	50	0.01	1.5
JVR05N560K65□□□	56	±10%	35	45	● ¹⁾	123	100	50	0.01	1.8
JVR05N680K65□□□	68	±10%	40	56	● ¹⁾	150	100	50	0.01	2.1
JVR05N820K65□□□	82	±10%	50	65		145	400	200	0.1	2.8
JVR05N101K65□□□	100	±10%	60	85		175	400	200	0.1	3.5
JVR05N121K65□□□	120	±10%	75	100		210	400	200	0.1	4
JVR05N151K65□□□	150	±10%	95	125		260	400	200	0.1	5.5
JVR05N181K65□□□	180	±10%	115	150		320	400	200	0.1	6.5



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JVR05N201K65□□□	200	±10%	130	170	355	400	200	0.1	7.1
JVR05N221K65□□□	220	±10%	140	180	380	400	200	0.1	7.8
JVR05N241K65□□□	240	±10%	150	200	415	400	200	0.1	8.4
JVR05N271K65□□□	270	±10%	175	225	475	400	200	0.1	9.9
JVR05N301K65□□□	300	±10%	195	250	525	400	200	0.1	10.5
JVR05N331K65□□□	330	±10%	210	275	575	400	200	0.1	11.5
JVR05N361K65□□□	360	±10%	230	300	620	400	200	0.1	13
JVR05N391K65□□□	390	±10%	250	320	675	400	200	0.1	15
JVR05N431K65□□□	430	±10%	275	350	745	400	200	0.1	16.5
JVR05N471K65□□□	470	±10%	300	385	810	400	200	0.1	17.5
JVR05N511K65□□□	510	±10%	320	418	880	400	200	0.1	18.5
JVR05N561K65□□□	560	±10%	350	460	940	400	200	0.1	19.5
JVR05N621K65□□□	620	±10%	385	505	1050	400	200	0.1	20.5
JVR05N681K65□□□	680	±10%	420	560	1150	400	200	0.1	21.5
JVR05N751K65□□□	750	±10%	460	615	1290	400	200	0.1	22.5

φ 7mm (Varistor--N series)

Part Number	Varistor Voltage V@1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage	Withstanding Surge Current (8/20 us)		Rated Wattage	Energy (10/1000 μs)
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@10A (V)	1 Time (A)	2 Times (A)	(W)	(J)
JVR07N180M65□□□	18	±20%	11	14	36 ¹⁾	250	125	0.02	1.2



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JVR07N220L65□□□	22	±15%	14	18	• ¹⁾ 43	250	125	0.02	1.4
JVR07N270K65□□□	27	±10%	17	22	• ¹⁾ 53	250	125	0.02	1.7
JVR07N330K65□□□	33	±10%	20	26	• ¹⁾ 65	250	125	0.02	2.2
JVR07N390K65□□□	39	±10%	25	31	• ¹⁾ 77	250	125	0.02	2.4
JVR07N470K65□□□	47	±10%	30	38	• ¹⁾ 93	250	125	0.02	3
JVR07N560K65□□□	56	±10%	35	45	• ¹⁾ 110	250	125	0.02	3.5
JVR07N680K65□□□	68	±10%	40	56	• ¹⁾ 135	250	125	0.02	4.3
JVR07N820K65□□□	82	±10%	50	65	135	1200	600	0.25	5.5
JVR07N101K65□□□	100	±10%	60	85	165	1200	600	0.25	7
JVR07N121K65□□□	120	±10%	75	100	200	1200	600	0.25	8
JVR07N151K65□□□	150	±10%	95	125	250	1200	600	0.25	11
JVR07N181K65□□□	180	±10%	115	150	300	1200	600	0.25	13
JVR07N201K65□□□	200	±10%	130	170	340	1200	600	0.25	14.3
JVR07N221K65□□□	220	±10%	140	180	360	1200	600	0.25	15.5
JVR07N241K65□□□	240	±10%	150	200	395	1200	600	0.25	16.8
JVR07N271K65□□□	270	±10%	175	225	455	1200	600	0.25	19.8
JVR07N301K65□□□	300	±10%	195	250	505	1200	600	0.25	21
JVR07N331K65□□□	330	±10%	210	275	550	1200	600	0.25	23
JVR07N361K65□□□	360	±10%	230	300	595	1200	600	0.25	26
JVR07N391K65□□□	390	±10%	250	320	650	1200	600	0.25	30
JVR07N431K65□□□	430	±10%	275	350	710	1200	600	0.25	33



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JVR07N471K65□□□	470	±10%	300	385		775	1200	600	0.25	35
JVR07N511K65□□□	510	±10%	320	418		842	1200	600	0.25	37
JVR07N561K65□□□	560	±10%	350	460		920	1200	600	0.25	39
JVR07N621K65□□□	620	±10%	385	505		1025	1200	600	0.25	41
JVR07N681K65□□□	680	±10%	420	560		1120	1200	600	0.25	43
JVR07N751K65□□□	750	±10%	460	615		1240	1200	600	0.25	45
JVR07N781K65□□□	780	±10%	485	640		1290	1200	600	0.25	46
JVR07N821K65□□□	820	±10%	510	670		1355	1200	600	0.25	47

φ 10mm (Varistor--N series)

Part Number	Varistor Voltage V@1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage		Withstanding Surge Current (8/20 us)		Rated Wattage	Energy (10/1000 μs)
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@10A (V)	1 Time (A)	2 Times (A)		(W)	(J)
JVR10N180M87□□□	18	±20%	11	14	● ¹⁾ 36	500	250		0.05	2.4
JVR10N220L87□□□	22	±15%	14	18	● ¹⁾ 43	500	250		0.05	2.7
JVR10N270K87□□□	27	±10%	17	22	● ¹⁾ 53	500	250		0.05	3.5
JVR10N330K87□□□	33	±10%	20	26	● ¹⁾ 65	500	250		0.05	4.4
JVR10N390K87□□□	39	±10%	25	31	● ¹⁾ 77	500	250		0.05	4.7
JVR10N470K87□□□	47	±10%	30	38	● ¹⁾ 93	500	250		0.05	6
JVR10N560K87□□□	56	±10%	35	45	● ¹⁾ 110	500	250		0.05	7



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JVR10N680K87□□□	68	±10%	40	56	• ¹⁾	135	500	250	0.05	8.5
JVR10N820K87□□□	82	±10%	50	65		135	2500	1250	0.4	11
JVR10N101K87□□□	100	±10%	60	85		165	2500	1250	0.4	14
JVR10N121K87□□□	120	±10%	75	100		200	2500	1250	0.4	16
JVR10N151K87□□□	150	±10%	95	125		250	2500	1250	0.4	22
JVR10N181K87□□□	180	±10%	115	150		300	2500	1250	0.4	26
JVR10N201K87□□□	200	±10%	130	170		340	2500	1250	0.4	28.5
JVR10N221K87□□□	220	±10%	140	180		360	2500	1250	0.4	31
JVR10N241K87□□□	240	±10%	150	200		395	2500	1250	0.4	33.5
JVR10N271K87□□□	270	±10%	175	225		455	2500	1250	0.4	39.5
JVR10N301K87□□□	300	±10%	195	250		505	2500	1250	0.4	42
JVR10N331K87□□□	330	±10%	210	275		550	2500	1250	0.4	46
JVR10N361K87□□□	360	±10%	230	300		595	2500	1250	0.4	52
JVR10N391K87□□□	390	±10%	250	320		650	2500	1250	0.4	60
JVR10N431K87□□□	430	±10%	275	350		710	2500	1250	0.4	66
JVR10N471K87□□□	470	±10%	300	385		775	2500	1250	0.4	70
JVR10N511K87□□□	510	±10%	320	418		842	2500	1250	0.4	74
JVR10N561K87□□□	560	±10%	350	460		920	2500	1250	0.4	78
JVR10N621K87□□□	620	±10%	385	505		1025	2500	1250	0.4	82
JVR10N681K87□□□	680	±10%	420	560		1120	2500	1250	0.4	86
JVR10N751K87□□□	750	±10%	460	615		1240	2500	1250	0.4	90



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JVR10N781K87□□□	780	±10%	485	640	1290	2500	1250	0.4	92
JVR10N821K87□□□	820	±10%	510	670	1355	2500	1250	0.4	94
JVR10N911K87□□□	910	±10%	550	745	1500	2500	1250	0.4	102
JVR10N102K87□□□	1000	±10%	625	825	1650	2500	1250	0.4	112
JVR10N112K87□□□	1100	±10%	680	895	1815	2500	1250	0.4	124
JVR10N182K87□□□	1800	±10%	1000	1465	2970	2500	1250	0.4	174

φ 14mm (Varistor--N series)

Part Number	Varistor Voltage V@1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage		Withstanding Surge Current (8/20 us)		Rated Wattage	Energy (10/1000 μs)
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@10A (V)	1 Time (A)	2 Times (A)	(W)	(J)	
JVR14N180M87□□□	18	±20%	11	14	● ¹⁾ 36	1000	500	0.1	4.7	
JVR14N220L87□□□	22	±15%	14	18	● ¹⁾ 43	1000	500	0.1	5.4	
JVR14N270K87□□□	27	±10%	17	22	● ¹⁾ 53	1000	500	0.1	6.9	
JVR14N330K87□□□	33	±10%	20	26	● ¹⁾ 65	1000	500	0.1	8.8	
JVR14N390K87□□□	39	±10%	25	31	● ¹⁾ 77	1000	500	0.1	9.4	
JVR14N470K87□□□	47	±10%	30	38	● ¹⁾ 93	1000	500	0.1	12	
JVR14N560K87□□□	56	±10%	35	45	● ¹⁾ 110	1000	500	0.1	14	
JVR14N680K87□□□	68	±10%	40	56	● ¹⁾ 135	1000	500	0.1	17	
JVR14N820K87□□□	82	±10%	50	65	□ 135	4500	2500	0.6	22	



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JVR14N101K87□□□	100	±10%	60	85	165	4500	2500	0.6	28
JVR14N121K87□□□	120	±10%	75	100	200	4500	2500	0.6	32
JVR14N151K87□□□	150	±10%	95	125	250	4500	2500	0.6	44
JVR14N181K87□□□	180	±10%	115	150	300	4500	2500	0.6	52
JVR14N201K87□□□	200	±10%	130	170	340	4500	2500	0.6	57
JVR14N221K87□□□	220	±10%	140	180	360	4500	2500	0.6	62
JVR14N241K87□□□	240	±10%	150	200	395	4500	2500	0.6	67
JVR14N271K87□□□	270	±10%	175	225	455	4500	2500	0.6	79
JVR14N301K87□□□	300	±10%	195	250	505	4500	2500	0.6	84
JVR14N331K87□□□	330	±10%	210	275	550	4500	2500	0.6	92
JVR14N361K87□□□	360	±10%	230	300	595	4500	2500	0.6	104
JVR14N391K87□□□	390	±10%	250	320	650	4500	2500	0.6	120
JVR14N431K87□□□	430	±10%	275	350	710	4500	2500	0.6	132
JVR14N471K87□□□	470	±10%	300	385	775	4500	2500	0.6	140
JVR14N511K87□□□	510	±10%	320	418	842	4500	2500	0.6	148
JVR14N561K87□□□	560	±10%	350	460	920	4500	2500	0.6	156
JVR14N621K87□□□	620	±10%	385	505	1025	4500	2500	0.6	164
JVR14N681K87□□□	680	±10%	420	560	1120	4500	2500	0.6	172
JVR14N751K87□□□	750	±10%	460	615	1240	4500	2500	0.6	180
JVR14N781K87□□□	780	±10%	485	640	1290	4500	2500	0.6	184
JVR14N821K87□□□	820	±10%	510	670	1355	4500	2500	0.6	188



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JVR14N911K87□□□	910	±10%	550	745	1500	4500	2500	0.6	204
JVR14N102K87□□□	1000	±10%	625	825	1650	4500	2500	0.6	224
JVR14N112K87□□□	1100	±10%	680	895	1815	4500	2500	0.6	248
JVR14N182K87□□□	1800	±10%	1000	1465	2970	4500	2500	0.6	348

φ 20mm (Varistor--N series)

Part Number	Varistor Voltage V@ 1 mA		Maximum Allowable Voltage	Maximum Clamping Voltage		Withstanding Surge Current (8/20 us)		Rated Wattage	Energy (10/1000 μs)
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@10A (V)	1 Time (A)	2 Times (A)	(W)	(J)
JVR20N180M11□□□	18	±20%	11	14	● ¹⁾ 36	2000	1000	0.2	7
JVR20N220M11□□□	22	±15%	14	18	● ¹⁾ 43	2000	1000	0.2	8
JVR20N270M11□□□	27	±10%	17	22	● ¹⁾ 53	2000	1000	0.2	10
JVR20N330M11□□□	33	±10%	20	26	● ¹⁾ 65	2000	1000	0.2	12
JVR20N390L11□□□	39	±10%	25	31	● ¹⁾ 77	2000	1000	0.2	14
JVR20N470L11□□□	47	±10%	30	38	● ¹⁾ 93	2000	1000	0.2	17
JVR20N560L11□□□	56	±10%	35	45	● ¹⁾ 110	2000	1000	0.2	20
JVR20N680L11□□□	68	±10%	40	56	● ¹⁾ 135	2000	1000	0.2	24
JVR20N820K11□□□	82	±10%	50	65	135	6500	4000	1	44
JVR20N101K11□□□	100	±10%	60	85	165	6500	4000	1	56
JVR20N121K11□□□	120	±10%	75	100	200	6500	4000	1	64
JVR20N151K11□□□	150	±10%	95	125	250	6500	4000	1	88



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JVR20N181K11□□□	180	±10%	115	150	300	6500	4000	1	104
JVR20N201K11□□□	200	±10%	130	170	340	6500	4000	1	114
JVR20N221K11□□□	220	±10%	140	180	360	6500	4000	1	124
JVR20N241K11□□□	240	±10%	150	200	395	6500	4000	1	134
JVR20N271K11□□□	270	±10%	175	225	455	6500	4000	1	158
JVR20N301K11□□□	300	±10%	195	250	505	6500	4000	1	168
JVR20N331K11□□□	330	±10%	210	275	550	6500	4000	1	184
JVR20N361K11□□□	360	±10%	230	300	595	6500	4000	1	208
JVR20N391K11□□□	390	±10%	250	320	650	6500	4000	1	240
JVR20N431K11□□□	430	±10%	275	350	710	6500	4000	1	264
JVR20N471K11□□□	470	±10%	300	385	775	6500	4000	1	280
JVR20N511K11□□□	510	±10%	320	418	842	6500	4000	1	296
JVR20N561K11□□□	560	±10%	350	460	920	6500	4000	1	312
JVR20N621K11□□□	620	±10%	385	505	1025	6500	4000	1	328
JVR20N681K11□□□	680	±10%	420	560	1120	6500	4000	1	344
JVR20N751K11□□□	750	±10%	460	615	1240	6500	4000	1	360
JVR20N781K11□□□	780	±10%	485	640	1290	6500	4000	1	368
JVR20N821K11□□□	820	±10%	510	670	1355	6500	4000	1	376
JVR20N911K11□□□	910	±10%	550	745	1500	6500	4000	1	408
JVR20N102K11□□□	1000	±10%	625	825	1650	6500	4000	1	448



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JVR20N112K11□□□	1100	±10%	680	895	1815	6500	4000	1	496
JVR20N182K11□□□	1800	±10%	1000	1465	2970	6500	4000	1	695

S series

φ 5mm (Varistor--S series)

Part Number	Varistor Voltage V@ 1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage		Withstanding Surge Current (8/20 us)		Rated Wattage	Energy (10/1000 μs)
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@ 10A (V)		1 Time (A)	2 Times (A)	(W)	(J)
JVR05S180M65□□□	18	±20%	11	14	• ¹⁾ 40		250	100	0.01	0.7
JVR05S220L65□□□	22	±15%	14	18	• ¹⁾ 48		250	100	0.01	0.8
JVR05S270K65□□□	27	±10%	17	22	• ¹⁾ 60		250	100	0.01	1.1
JVR05S330K65□□□	33	±10%	20	26	• ¹⁾ 73		250	100	0.01	1.3
JVR05S390K65□□□	39	±10%	25	31	• ¹⁾ 86		250	100	0.01	1.5
JVR05S470K65□□□	47	±10%	30	38	• ¹⁾ 104		250	100	0.01	1.8
JVR05S560K65□□□	56	±10%	35	45	• ¹⁾ 123		250	100	0.01	2.2
JVR05S680K65□□□	68	±10%	40	56	• ¹⁾ 150		250	100	0.01	2.6
JVR05S820K65□□□	82	±10%	50	65	145		800	600	0.1	3.5
JVR05S101K65□□□	100	±10%	60	85	175		800	600	0.1	4.5
JVR05S121K65□□□	120	±10%	75	100	210		800	600	0.1	5.5
JVR05S151K65□□□	150	±10%	95	125	260		800	600	0.1	6.5
JVR05S181K65□□□	180	±10%	115	150	320		800	600	0.1	8



Varistor Series

φ 7mm (Varistor--S series)

Part Number	Varistor Voltage V@ 1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage		Withstanding Surge Current (8/20 us)		Rated Wattage	Energy (10/1000 μs)
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@ 10A (V)		1 Time (A)	2 Times (A)	(W)	(J)
JVR07S180M65□□□	18	±20%	11	14	● ¹⁾	36	500	250	0.02	1.5
JVR07S220L65□□□	22	±15%	14	18	● ¹⁾	43	500	250	0.02	1.7
JVR07S270K65□□□	27	±10%	17	22	● ¹⁾	53	500	250	0.02	2.1
JVR07S330K65□□□	33	±10%	20	26	● ¹⁾	65	500	250	0.02	2.8
JVR07S390K65□□□	39	±10%	25	31	● ¹⁾	77	500	250	0.02	3
JVR07S470K65□□□	47	±10%	30	38	● ¹⁾	93	500	250	0.02	3.8
JVR07S560K65□□□	56	±10%	35	45	● ¹⁾	110	500	250	0.02	4.4
JVR07S680K65□□□	68	±10%	40	56	● ¹⁾	135	500	250	0.02	5.4
JVR07S820K65□□□	82	±10%	50	65		135	1750	1250	0.25	7
JVR07S101K65□□□	100	±10%	60	85		165	1750	1250	0.25	9
JVR07S121K65□□□	120	±10%	75	100		200	1750	1250	0.25	11
JVR07S151K65□□□	150	±10%	95	125		250	1750	1250	0.25	13
JVR07S181K65□□□	180	±10%	115	150		300	1750	1250	0.25	16
JVR07S201K65□□□	200	±10%	130	170		340	1750	1250	0.25	17.5
JVR07S221K65□□□	220	±10%	140	180		360	1750	1250	0.25	19
JVR07S241K65□□□	240	±10%	150	200		395	1750	1250	0.25	21



Varistor Series

JVR07S271K65□□□	270	±10%	175	225	455	1750	1250	0.25	24
JVR07S301K65□□□	300	±10%	195	250	505	1750	1250	0.25	26
JVR07S331K65□□□	330	±10%	210	275	550	1750	1250	0.25	28
JVR07S361K65□□□	360	±10%	230	300	595	1750	1250	0.25	32
JVR07S391K65□□□	390	±10%	250	320	650	1750	1250	0.25	35
JVR07S431K65□□□	430	±10%	275	350	710	1750	1250	0.25	40
JVR07S471K65□□□	470	±10%	300	385	775	1750	1250	0.25	42
JVR07S511K65□□□	510	±10%	320	418	842	1750	1250	0.25	45
JVR07S561K65□□□	560	±10%	350	460	920	1750	1250	0.25	51
JVR07S621K65□□□	620	±10%	385	505	1025	1750	1250	0.25	54
JVR07S681K65□□□	680	±10%	420	560	1120	1750	1250	0.25	56
JVR07S751K65□□□	750	±10%	460	615	1240	1750	1250	0.25	58
JVR07S781K65□□□	780	±10%	485	640	1290	1750	1250	0.25	59
JVR07S821K65□□□	820	±10%	510	670	1355	1750	1250	0.25	60

φ 10mm (Varistor--S series)

Part Number	Varistor Voltage V@1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage		Withstanding Surge Current (8/20 us)		Rated Wattage	Energy (10/1000 μs)
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@10A (V)	1 Time (A)	2 Times (A)		(W)	(J)
JVR10S180M87□□□	18	±20%	11	14	36 ¹⁾	1000	500		0.05	2.6



Varistor Series

JVR10S220L87□□□	22	±15%	14	18	• ¹⁾	43	1000	500	0.05	3.2
JVR10S270K87□□□	27	±10%	17	22	• ¹⁾	53	1000	500	0.05	3.9
JVR10S330K87□□□	33	±10%	20	26	• ¹⁾	65	1000	500	0.05	4.8
JVR10S390K87□□□	39	±10%	25	31	• ¹⁾	77	1000	500	0.05	5.6
JVR10S470K87□□□	47	±10%	30	38	• ¹⁾	93	1000	500	0.05	6.8
JVR10S560K87□□□	56	±10%	35	45	• ¹⁾	110	1000	500	0.05	8.1
JVR10S680K87□□□	68	±10%	40	56	• ¹⁾	135	1000	500	0.05	9.8
JVR10S820K87□□□	82	±10%	50	65		135	3500	2500	0.4	14
JVR10S101K87□□□	100	±10%	60	85		165	3500	2500	0.4	18
JVR10S121K87□□□	120	±10%	75	100		200	3500	2500	0.4	22
JVR10S151K87□□□	150	±10%	95	125		250	3500	2500	0.4	25
JVR10S181K87□□□	180	±10%	115	150		300	3500	2500	0.4	32
JVR10S201K87□□□	200	±10%	130	170		340	3500	2500	0.4	35
JVR10S221K87□□□	220	±10%	140	180		360	3500	2500	0.4	39
JVR10S241K87□□□	240	±10%	150	200		395	3500	2500	0.4	42
JVR10S271K87□□□	270	±10%	175	225		455	3500	2500	0.4	49
JVR10S301K87□□□	300	±10%	195	250		505	3500	2500	0.4	52
JVR10S331K87□□□	330	±10%	210	275		550	3500	2500	0.4	58
JVR10S361K87□□□	360	±10%	230	300		595	3500	2500	0.4	65
JVR10S391K87□□□	390	±10%	250	320		650	3500	2500	0.4	70
JVR10S431K87□□□	430	±10%	275	350		710	3500	2500	0.4	80



Varistor Series

JVR10S471K87□□□	470	±10%	300	385	775	3500	2500	0.4	85
JVR10S511K87□□□	510	±10%	320	418	842	3500	2500	0.4	92
JVR10S561K87□□□	560	±10%	350	460	920	3500	2500	0.4	102
JVR10S621K87□□□	620	±10%	385	505	1025	3500	2500	0.4	107
JVR10S681K87□□□	680	±10%	420	560	1120	3500	2500	0.4	112
JVR10S751K87□□□	750	±10%	460	615	1240	3500	2500	0.4	115
JVR10S781K87□□□	780	±10%	485	640	1290	3500	2500	0.4	116
JVR10S821K87□□□	820	±10%	510	670	1355	3500	2500	0.4	118
JVR10S911K87□□□	910	±10%	550	745	1500	3500	2500	0.4	127
JVR10S102K87□□□	1000	±10%	625	825	1650	3500	2500	0.4	140
JVR10S112K87□□□	1100	±10%	680	895	1815	3500	2500	0.4	155

φ 14mm (Varistor--S series)

Part Number	Varistor Voltage V@1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage		Withstanding Surge Current (8/20 us)		Rated Wattage	Energy (10/1000 μs)
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@10A (V)	1 Time (A)	2 Times (A)	(W)	(J)	
JVR14S180M87□□□	18	±20%	11	14	● ¹⁾ 36	2000	1000	0.1	5.2	
JVR14S220L87□□□	22	±15%	14	18	● ¹⁾ 43	2000	1000	0.1	6.3	
JVR14S270K87□□□	27	±10%	17	22	● ¹⁾ 53	2000	1000	0.1	7.8	
JVR14S330K87□□□	33	±10%	20	26	● ¹⁾ 65	2000	1000	0.1	9.5	



Varistor Series

JVR14S390K87□□□	39	±10%	25	31	● ¹⁾	77	2000	1000	0.1	11
JVR14S470K87□□□	47	±10%	30	38	● ¹⁾	93	2000	1000	0.1	14
JVR14S560K87□□□	56	±10%	35	45	● ¹⁾	110	2000	1000	0.1	16
JVR14S680K87□□□	68	±10%	40	56	● ¹⁾	135	2000	1000	0.1	20
JVR14S820K87□□□	82	±10%	50	65		135	6000	4500	0.6	28
JVR14S101K87□□□	100	±10%	60	85		165	6000	4500	0.6	36
JVR14S121K87□□□	120	±10%	75	100		200	6000	4500	0.6	44
JVR14S151K87□□□	150	±10%	95	125		250	6000	4500	0.6	53
JVR14S181K87□□□	180	±10%	115	150		300	6000	4500	0.6	65
JVR14S201K87□□□	200	±10%	130	170		340	6000	4500	0.6	70
JVR14S221K87□□□	220	±10%	140	180		360	6000	4500	0.6	78
JVR14S241K87□□□	240	±10%	150	200		395	6000	4500	0.6	84
JVR14S271K87□□□	270	±10%	175	225		455	6000	4500	0.6	99
JVR14S301K87□□□	300	±10%	195	250		505	6000	4500	0.6	105
JVR14S331K87□□□	330	±10%	210	275		550	6000	4500	0.6	115
JVR14S361K87□□□	360	±10%	230	300		595	6000	4500	0.6	130
JVR14S391K87□□□	390	±10%	250	320		650	6000	4500	0.6	140
JVR14S431K87□□□	430	±10%	275	350		710	6000	4500	0.6	155
JVR14S471K87□□□	470	±10%	300	385		775	6000	4500	0.6	175
JVR14S511K87□□□	510	±10%	320	418		842	6000	4500	0.6	190
JVR14S561K87□□□	560	±10%	350	460		920	6000	4500	0.6	205



Varistor Series

JVR14S621K87□□□	620	±10%	385	505	1025	6000	4500	0.6	215
JVR14S681K87□□□	680	±10%	420	560	1120	6000	4500	0.6	225
JVR14S751K87□□□	750	±10%	460	615	1240	6000	4500	0.6	230
JVR14S781K87□□□	780	±10%	485	640	1290	6000	4500	0.6	233
JVR14S821K87□□□	820	±10%	510	670	1355	6000	4500	0.6	235
JVR14S911K87□□□	910	±10%	550	745	1500	6000	4500	0.6	255
JVR14S102K87□□□	1000	±10%	625	825	1650	6000	4500	0.6	283
JVR14S112K87□□□	1100	±10%	680	895	1815	6000	4500	0.6	310

φ 20mm (Varistor--S series)

Part Number	Varistor Voltage V@1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage		Withstanding Surge Current (8/20 us)		Rated Wattage	Energy (10/1000 μs)
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@10A (V)		1 Time (A)	2 Times (A)	(W)	(J)
JVR20S180M11□□□	18	±20%	11	14	• ¹⁾ 36		3000	2000	0.2	13
JVR20S220M11□□□	22	±15%	14	18	• ¹⁾ 43		3000	2000	0.2	16
JVR20S270M11□□□	27	±10%	17	22	• ¹⁾ 53		3000	2000	0.2	19
JVR20S330M11□□□	33	±10%	20	26	• ¹⁾ 65		3000	2000	0.2	24
JVR20S390L11□□□	39	±10%	25	31	• ¹⁾ 77		3000	2000	0.2	28
JVR20S470L11□□□	47	±10%	30	38	• ¹⁾ 93		3000	2000	0.2	34
JVR20S560L11□□□	56	±10%	35	45	• ¹⁾ 110		3000	2000	0.2	41
JVR20S680L11□□□	68	±10%	40	56	• ¹⁾ 135		3000	2000	0.2	49



Varistor Series

JVR20S820K11□□□	82	±10%	50	65	135	10000	6500	1	56
JVR20S101K11□□□	100	±10%	60	85	165	10000	6500	1	72
JVR20S121K11□□□	120	±10%	75	100	200	10000	6500	1	88
JVR20S151K11□□□	150	±10%	95	125	250	10000	6500	1	106
JVR20S181K11□□□	180	±10%	115	150	300	10000	6500	1	130
JVR20S201K11□□□	200	±10%	130	170	340	10000	6500	1	140
JVR20S221K11□□□	220	±10%	140	180	360	10000	6500	1	155
JVR20S241K11□□□	240	±10%	150	200	395	10000	6500	1	168
JVR20S271K11□□□	270	±10%	175	225	455	10000	6500	1	190
JVR20S301K11□□□	300	±10%	195	250	505	10000	6500	1	210
JVR20S331K11□□□	330	±10%	210	275	550	10000	6500	1	228
JVR20S361K11□□□	360	±10%	230	300	595	10000	6500	1	255
JVR20S391K11□□□	390	±10%	250	320	650	10000	6500	1	275
JVR20S431K11□□□	430	±10%	275	350	710	10000	6500	1	303
JVR20S471K11□□□	470	±10%	300	385	775	10000	6500	1	350
JVR20S511K11□□□	510	±10%	320	418	842	10000	6500	1	382
JVR20S561K11□□□	560	±10%	350	460	920	10000	6500	1	410
JVR20S621K11□□□	620	±10%	385	505	1025	10000	6500	1	420
JVR20S681K11□□□	680	±10%	420	560	1120	10000	6500	1	430
JVR20S751K11□□□	750	±10%	460	615	1240	10000	6500	1	440
JVR20S781K11□□□	780	±10%	485	640	1290	10000	6500	1	450



Varistor Series

JVR20S821K11□□□	820	±10%	510	670	1355	10000	6500	1	460
JVR20S911K11□□□	910	±10%	550	745	1500	10000	6500	1	510
JVR20S102K11□□□	1000	±10%	625	825	1650	10000	6500	1	566
JVR20S112K11□□□	1100	±10%	680	895	1815	10000	6500	1	620

U series

φ 14mm (Varistor--U series)

Part Number	Varistor Voltage V@1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage	Withstanding Surge Current (8/20 us)		Rated Wattage	Energy (10/1000 μs)
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@10A (V)	1 Time (A)	2 Times (A)	(W)	(J)
JVR14U201K87□□□	200	±10%	130	170	340	6500	6000	0.6	84
JVR14U221K87□□□	220	±10%	140	180	360	6500	6000	0.6	93
JVR14U241K87□□□	240	±10%	150	200	395	6500	6000	0.6	101

φ 20mm (Varistor--U series)

Part Number	Varistor Voltage V@1 mA		Maximum Allowable Voltage		Maximum Clamping Voltage	Withstanding Surge Current (8/20 us)		Rated Wattage	Energy (10/1000 μs)
	DC (V)	Tolerance	ACrms (V)	DC (V)	V@10A (V)	1 Time (A)	2 Times (A)	(W)	(J)
JVR20U201K11□□□	200	±10%	130	170	340	12500	10000	1	168
JVR20U221K11□□□	220	±10%	140	180	360	12500	10000	1	186
JVR20U241K11□□□	240	±10%	150	200	395	12500	10000	1	202



Chip Varistor Series



S Series

0402 (Chip varistor--S Series)

Part Number	Working Voltage (V _w)	Breakdown Voltage (V _b)	Clamping Voltage (V _c)	Peak Current (I _p)	Transient Energy (E _t)	Typical Capacitance (C)	
	Volts	Volts	Volts	Amps	Joules	pF	
	< 50 uA	1 mA (DC)	1A, 8/20 μs	8/20 μs	10/1000 μs	1 kHz	1 mHz
JMV0402S5R6T361	5.6	7.6~9.3	15.5	20	0.05		360
JMV0402S180T900	18.0	22.9~28	40	20	0.05		90
JMV0402S140T121	14.0	16.5~20.3	30	20	0.05		120
JMV0402S090T231	9.0	11~14	20	20	0.05		230

0603 (Chip varistor--S Series)

Part Number	Working Voltage (V _w)	Breakdown Voltage (V _b)	Clamping Voltage (V _c)	Peak Current (I _p)	Transient Energy (E _t)	Typical Capacitance (C)	
	Volts	Volts	Volts	Amps	Joules	pF	
	< 50 uA	1 mA (DC)	1A, 8/20 μs	8/20 μs	10/1000 μs	1 kHz	1 mHz
JMV0603S5R6T102	5.6	7.6~9.3	15.5	30	0.1	1000	825
JMV0603S3R3T182	3.3	4.1~6	10	30	0.1	1800	1230
JMV0603S300T181	30.0	37~46	65	30	0.1	180	150
JMV0603S260T201	26.0	31~38	58	30	0.1	200	160
JMV0603S180T281	18.0	22.9~28	40	30	0.1	280	225
JMV0603S140T501	14.0	16.5~20.3	30	30	0.1	500	425
JMV0603S090T651	9.0	11~14	20	30	0.1	650	550



Chip Varistor Series

0805 (Chip varistor--S Series)

Part Number	Working Voltage (V _w)	Breakdown Voltage (V _b)	Clamping Voltage (V _c)	Peak Current (I _p)	Transient Energy (E _t)	Typical Capacitance (C)	
	Volts	Volts	Volts	Amps	Joules	pF	
	< 50 uA	1 mA (DC)	1A, 8/20 μs	8/20 μs	10/1000 μs	1 kHz	1 mHz
JMV0805S5R6T132	5.6	7.6~9.3	15.5	40	0.1	1300	860
JMV0805S3R3T132	3.3	4.1~6	10	40	0.1	1300	930
JMV0805S300T101	30.0	37~46	65	40	0.1	100	80
JMV0805S260T141	26.0	31~38	58	40	0.1	140	110
JMV0805S180T351	18.0	22.9~28	40	40	0.1	350	275
JMV0805S140T381	14.0	16.5~20.3	30	40	0.1	380	280
JMV0805S120T531	12.0	14~18.3	25	40	0.1	530	400
JMV0805S090T781	9.0	11~14	20	40	0.1	780	585

1206 (Chip varistor--S Series)

Part Number	Working Voltage (V _w)	Breakdown Voltage (V _b)	Clamping Voltage (V _c)	Peak Current (I _p)	Transient Energy (E _t)	Typical Capacitance (C)	
	Volts	Volts	Volts	Amps	Joules	pF	
	< 50 uA	1 mA (DC)	1A, 8/20 μs	8/20 μs	10/1000 μs	1 kHz	1 mHz
JMV1206S140T122	14.0	16.5~20.3		100			1200

E Series

Specifications for E Series MLVS (Chip varistor--E Series)

Part Number	Working Voltage (V _w)	Breakdown Voltage (V _b)	Clamping Voltage (V _c)	Peak Current (I _p)	Transient Energy (E _t)	Typical Capacitance (C)	
	Volts	Volts	Volts	Amps	Joules	pF	
	< 50 uA	1 mA (DC)	1A, 8/20 μs	8/20 μs	10/1000 μs	1 kHz	1 mHz



Chip Varistor Series

JMV0603E270T300	17.0	21.6~32.4	52	2	0.05	30	
JMV0603E270T150	17.0	21.6~32.4	52	2	0.05	15	