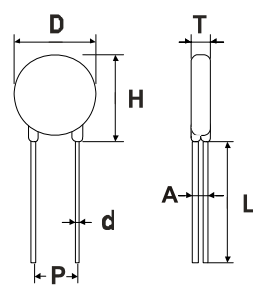


Metal Oxide Varistor

J - High Surge & High Energy Series - Straight Lead

J Series/MOV

Disk Size	Varistor Voltage Range (V)		I _T (mA)	Dimensions(in mm)					Diagram of Dimension*
				D Max.	H±1.0	L±2.0	P±1.0	d±0.05	
5mm	Low Voltage	18 ~ 68	0.1	7.5	11.0	25.0	5.0	0.6	
	High Voltage	82 ~ 750							
7mm	Low Voltage	18 ~ 68	1	9.0	13.0	25.0	5.0	0.6	
	High Voltage	82 ~ 820							
10mm	Low Voltage	18 ~ 68	1	12.5	16.0	25.0	5.0/7.5	0.6/0.8	
	High Voltage	82 ~ 1800							
14mm	Low Voltage	18 ~ 68	1	16.5	20.0	25.0	7.5/10.0	0.8/1.0	
	High Voltage	82 ~ 1800							
20mm	Low Voltage	18 ~ 68	1	23.0	28.0	25.0	7.5/10.0	0.8/1.0	
	High Voltage	82 ~ 1800							

* C=Inner Kink; K=Outer Kink; Y= Y Kink available on request.

* C=Inner Kink; K=Outer Kink; Y= Y Kink available on request.

Disk Size - 5 mm - RoHS Compliant

J Series/MOV

Part Number	Size Code (mm)	Varistor Voltage(V)		Tol.	Maximum Allowable Voltage(V)		Maximum Clamping Voltage(V)		Withstanding Surge Current (A) 8/20ms		Energy(J) 10/1000ms	Rated Wattage (W)	T Max. (mm)	A±0.8 (mm)
		Voltage (V)	I _T (mA)		VAC (Vrms)	VDC (V)	Voltage (V)	I _T (A)	1 time	2 times				
MOV180MD05JS25B6	D05	18	0.1	20%	11	14	40	1	250	100	0.7	0.01	4.5	1.4
MOV220LD05JS25B6	D05	22		15%	14	18	48				0.8		4.5	1.5
MOV270KD05JS25B6	D05	27		10%	17	22	60				1.1		4.7	1.5
MOV330KD05JS25B6	D05	33		10%	20	26	73				1.3		4.7	1.6
MOV390KD05JS25B6	D05	39		10%	25	31	86				1.5		4.7	1.8
MOV470KD05JS25B6	D05	47		10%	30	38	104				1.8		5.0	1.8
MOV560KD05JS25B6	D05	56		10%	35	45	123				2.2		5.0	2.0
MOV680KD05JS25B6	D05	68		10%	40	56	150				2.6		5.5	2.3
MOV820KD05JS25B6	D05	82		10%	50	65	145	5	800	600	3.5	0.1	3.8	1.4
MOV101KD05JS25B6	D05	100		10%	60	85	175				4.5		3.9	1.4
MOV121KD05JS25B6	D05	120		10%	75	100	210				5.5		4.1	1.5
MOV151KD05JS25B6	D05	150		10%	95	125	260				6.5		4.5	1.8
MOV181KD05JS25B6	D05	180		10%	115	150	320				8.0		4.1	1.6
MOV201KD05JS25B6	D05	200		10%	130	170	355				8.5		4.2	1.6
MOV221KD05JS25B6	D05	220		10%	140	180	380				9.0		4.3	1.7
MOV241KD05JS25B6	D05	240		10%	150	200	415				10.5		4.4	1.7
MOV271KD05JS25B6	D05	270		10%	175	225	475				11.0		4.6	1.9
MOV301KD05JS25B6	D05	300		10%	195	250	525				12.0		4.8	1.9
MOV331KD05JS25B6	D05	330		10%	210	275	575				13.0		4.9	1.9
MOV361KD05JS25B6	D05	360		10%	230	300	620				16.0		5.1	2.4
MOV391KD05JS25B6	D05	390		10%	250	320	675				17.0		5.3	2.6
MOV431KD05JS25B6	D05	430		10%	275	350	745				20.0		6.1	2.7
MOV471KD05JS25B6	D05	470		10%	300	385	810				21.0		6.4	2.8
MOV511KD05JS25B6	D05	510		10%	320	418	880				22.0		6.6	3.1
MOV561KD05JS25B6	D05	560		10%	350	460	940				25.0		6.9	3.4
MOV621KD05JS25B6	D05	620		10%	385	505	1050				27.0		7.2	3.7
MOV681KD05JS25B6	D05	680		10%	420	560	1150				28.0		7.5	4.0
MOV751KD05JS25B6	D05	750		10%	460	615	1290				29.0		7.9	4.3

Disk Size - 7 mm - RoHS Compliant

J Series/MOV

Part Number	Size Code (mm)	Varistor Voltage(V)		Tol.	Maximum Allowable Voltage(V)		Maximum Clamping Voltage(V)		Withstanding Surge Current (A) 8/20ms		Energy(J) 10/1000ms	Rated Wattage (W)	T Max. (mm)	A±0.8 (mm)
		Voltage (V)	I _T (mA)		VAC (Vrms)	VDC (V)	Voltage (V)	I _T (A)	1 time	2 times				
MOV180MD07JS25B6	D07	18	1	20%	11	14	36	2.5	500	250	1.5	0.02	4.5	1.4
MOV220LD07JS25B6	D07	22		15%	14	18	43				1.7		4.5	1.5
MOV270KD07JS25B6	D07	27		10%	17	22	53				2.1		4.7	1.5
MOV330KD07JS25B6	D07	33		10%	20	26	65				2.8		4.7	1.6
MOV390KD07JS25B6	D07	39		10%	25	31	77				3.0		4.7	1.8
MOV470KD07JS25B6	D07	47		10%	30	38	93				3.8		5.0	1.8
MOV560KD07JS25B6	D07	56		10%	35	45	110				4.4		5.0	2.0
MOV680KD07JS25B6	D07	68		10%	40	56	135				5.4		5.5	2.3
MOV820KD07JS25B6	D07	82		10%	50	65	135	10	1750	1250	7.0	0.25	3.8	1.4
MOV101KD07JS25B6	D07	100		10%	60	85	165				9.0		3.9	1.4
MOV121KD07JS25B6	D07	120		10%	75	100	200				11.0		4.1	1.5
MOV151KD07JS25B6	D07	150		10%	95	125	250				13.0		4.5	1.8
MOV181KD07JS25B6	D07	180		10%	115	150	300				16.0		4.1	1.6
MOV201KD07JS25B6	D07	200		10%	130	170	340				17.5		4.2	1.6
MOV221KD07JS25B6	D07	220		10%	140	180	360				19.0		4.3	1.7
MOV241KD07JS25B6	D07	240		10%	150	200	395				21.0		4.4	1.7
MOV271KD07JS25B6	D07	270		10%	175	225	455				24.0		4.6	1.9
MOV301KD07JS25B6	D07	300		10%	195	250	505				26.0		4.8	1.9
MOV331KD07JS25B6	D07	330		10%	210	275	550				28.0		4.9	1.9
MOV361KD07JS25B6	D07	360		10%	230	300	595				32.0		5.1	2.4
MOV391KD07JS25B6	D07	390		10%	250	320	650				35.0		5.3	2.6
MOV431KD07JS25B6	D07	430		10%	275	350	710				40.0		6.1	2.7
MOV471KD07JS25B6	D07	470		10%	300	385	775				42.0		6.4	2.8
MOV511KD07JS25B6	D07	510		10%	320	418	842				45.0		6.6	3.1
MOV561KD07JS25B6	D07	560		10%	350	460	920				51.0		6.9	3.4
MOV621KD07JS25B6	D07	620		10%	385	505	1025				54.0		7.2	3.7
MOV681KD07JS25B6	D07	680		10%	420	560	1120				56.0		7.5	4.0
MOV751KD07JS25B6	D07	750		10%	460	615	1240				58.0		7.9	4.3
MOV781KD07JS25B6	D07	780		10%	485	640	1290				59.0		8.1	4.5
MOV821KD07JS25B6	D07	820		10%	510	670	1355				60.0		8.3	4.7

Disk Size - 10 mm - RoHS Compliant

J Series/MOV

Part Number	Size Code (mm)	Varistor Voltage(V)		Tol.	Maximum Allowable Voltage(V)		Maximum Clamping Voltage(V)		Withstanding Surge Current (A) 8/20ms		Energy(J) 10/1000ms	Rated Wattage (W)	T Max. (mm)	A±0.8 (mm)
		Voltage (V)	I _T (mA)		VAC (Vrms)	VDC (V)	Voltage (V)	I _T (A)	1 time	2 times				
MOV180MD10JS25XX	D10	18	1	20%	11	14	36	5	1000	500	2.6	0.05	4.9	1.4
MOV220LD10JS25XX	D10	22		15%	14	18	43				3.2		4.9	1.5
MOV270KD10JS25XX	D10	27		10%	17	22	53				3.9		5.1	1.5
MOV330KD10JS25XX	D10	33		10%	20	26	65				4.8		5.1	1.6
MOV390KD10JS25XX	D10	39		10%	25	31	77				5.6		5.1	1.8
MOV470KD10JS25XX	D10	47		10%	30	38	93				6.8		5.5	1.8
MOV560KD10JS25XX	D10	56		10%	35	45	110				8.1		5.5	2.0
MOV680KD10JS25XX	D10	68		10%	40	56	135				9.8		6.0	2.3
MOV820KD10JS25XX	D10	82		10%	50	65	135	25	3500	2500	14.0	0.4	4.3	1.4
MOV101KD10JS25XX	D10	100		10%	60	85	165				18.0		4.4	1.4
MOV121KD10JS25XX	D10	120		10%	75	100	200				22.0		4.5	1.5
MOV151KD10JS25XX	D10	150		10%	95	125	250				25.0		4.9	1.8
MOV181KD10JS25XX	D10	180		10%	115	150	300				32.0		4.5	1.6
MOV201KD10JS25XX	D10	200		10%	130	170	340				35.0		4.6	1.6
MOV221KD10JS25XX	D10	220		10%	140	180	360				39.0		4.7	1.7
MOV241KD10JS25XX	D10	240		10%	150	200	395				42.0		4.8	1.9
MOV271KD10JS25XX	D10	270		10%	175	225	455				49.0		5.0	2.0
MOV301KD10JS25XX	D10	300		10%	195	250	505				52.0		5.2	2.2
MOV331KD10JS25XX	D10	330		10%	210	275	550				58.0		5.3	2.2
MOV361KD10JS25XX	D10	360		10%	230	300	595				65.0		5.5	2.5
MOV391KD10JS25XX	D10	390		10%	250	320	650				70.0		5.7	2.8
MOV431KD10JS25XX	D10	430		10%	275	350	710				80.0		6.5	3.1
MOV471KD10JS25XX	D10	470		10%	300	385	775				85.0		6.8	3.2
MOV511KD10JS25XX	D10	510		10%	320	418	842				92.0		7.0	3.7
MOV561KD10JS25XX	D10	560		10%	350	460	920				102.0		7.3	4.0
MOV621KD10JS25XX	D10	620		10%	385	505	1025				107.0		7.6	4.6
MOV681KD10JS25XX	D10	680		10%	420	560	1120				112.0		8.0	5.0
MOV751KD10JS25XX	D10	750		10%	460	615	1240				115.0		8.4	5.0
MOV781KD10JS25XX	D10	780		10%	485	640	1290				116.0		8.6	5.2
MOV821KD10JS25XX	D10	820		10%	510	670	1355				118.0		8.8	5.2
MOV911KD10JS25XX	D10	910		10%	550	745	1500				127.0		9.4	6.0
MOV102KD10JS25XX	D10	1000		10%	625	825	1650				140.0		9.9	6.0
MOV112KD10JS25XX	D10	1100		10%	680	895	1815				155.0		11.0	6.3
MOV182KD10JS25XX	D10	1800		10%	1000	1465	2970				247.0		13.0	9.8

Disk Size - 14 mm - RoHS Compliant

J Series/MOV

Part Number	Size Code (mm)	Varistor Voltage(V)		Tol.	Maximum Allowable Voltage(V)		Maximum Clamping Voltage(V)		Withstanding Surge Current (A) 8/20ms		Energy(J) 10/1000ms	Rated Wattage (W)	T Max. (mm)	A±0.8 (mm)
		Voltage (V)	I _T (mA)		VAC (Vrms)	VDC (V)	Voltage (V)	I _T (A)	1 time	2 times				
MOV180MD14JS25XX	D14	18	1	20%	11	14	36	10	2000	1000	5.2	0.1	5.0	1.5
MOV220LD14JS25XX	D14	22		15%	14	18	43				6.3		5.0	1.6
MOV270KD14JS25XX	D14	27		10%	17	22	53				7.8		5.2	1.7
MOV330KD14JS25XX	D14	33		10%	20	26	65				9.5		5.2	1.8
MOV390KD14JS25XX	D14	39		10%	25	31	77				11.0		5.2	2.0
MOV470KD14JS25XX	D14	47		10%	30	38	93				14.0		5.6	2.0
MOV560KD14JS25XX	D14	56		10%	35	45	110				16.0		5.6	2.2
MOV680KD14JS25XX	D14	68		10%	40	56	135				20.0		6.1	2.5
MOV820KD14JS25XX	D14	82		10%	50	65	135	50	6000	4500	28.0	0.6	4.4	1.6
MOV101KD14JS25XX	D14	100		10%	60	85	165				36.0		4.5	1.6
MOV121KD14JS25XX	D14	120		10%	75	100	200				44.0		4.6	1.7
MOV151KD14JS25XX	D14	150		10%	95	125	250				53.0		5.1	2.0
MOV181KD14JS25XX	D14	180		10%	115	150	300				65.0		4.7	1.8
MOV201KD14JS25XX	D14	200		10%	130	170	340				70.0		4.8	1.8
MOV221KD14JS25XX	D14	220		10%	140	180	360				78.0		4.9	1.9
MOV241KD14JS25XX	D14	240		10%	150	200	395				84.0		5.0	2.1
MOV271KD14JS25XX	D14	270		10%	175	225	455				99.0		5.2	2.1
MOV301KD14JS25XX	D14	300		10%	195	250	505				105.0		5.4	2.3
MOV331KD14JS25XX	D14	330		10%	210	275	550				115.0		5.5	2.3
MOV361KD14JS25XX	D14	360		10%	230	300	595				130.0		5.7	2.7
MOV391KD14JS25XX	D14	390		10%	250	320	650				140.0		5.9	2.8
MOV431KD14JS25XX	D14	430		10%	275	350	710				155.0		6.7	3.1
MOV471KD14JS25XX	D14	470		10%	300	385	775				175.0		7.0	3.3
MOV511KD14JS25XX	D14	510		10%	320	418	842				190.0		7.2	3.7
MOV561KD14JS25XX	D14	560		10%	350	460	920				205.0		7.5	4.0
MOV621KD14JS25XX	D14	620		10%	385	505	1025				215.0		7.8	4.4
MOV681KD14JS25XX	D14	680		10%	420	560	1120				225.0		8.2	4.7
MOV751KD14JS25XX	D14	750		10%	460	615	1240				230.0		8.6	4.9
MOV781KD14JS25XX	D14	780		10%	485	640	1290				233.0		8.8	5.2
MOV821KD14JS25XX	D14	820		10%	510	670	1355				235.0		9.0	5.2
MOV911KD14JS25XX	D14	910		10%	550	745	1500				255.0		9.6	6.0
MOV102KD14JS25XX	D14	1000		10%	625	825	1650				283.0		10.0	6.2
MOV112KD14JS25XX	D14	1100		10%	680	895	1815				310.0		11.0	6.7
MOV182KD14JS25XX	D14	1800		10%	1000	1465	2970				510.0		13.0	10.2

Disk Size - 20 mm - RoHS Compliant

J Series/MOV

Part Number	Size Code (mm)	Varistor Voltage(V)		Tol.	Maximum Allowable Voltage(V)		Maximum Clamping Voltage(V)		Withstanding Surge Current (A) 8/20ms		Energy(J) 10/1000ms	Rated Wattage (W)	T Max. (mm)	A±0.8 (mm)
		Voltage (V)	I _T (mA)		VAC (Vrms)	VDC (V)	Voltage (V)	I _T (A)	1 time	2 times				
MOV180MD20JS25XX	D20	18	1	20%	11	14	36	20	3000	2000	13.0	0.2	5.2	1.5
MOV220MD20JS25XX	D20	22		20%	14	18	43				16.0		5.3	1.6
MOV270MD20JS25XX	D20	27		20%	17	22	53				19.0		5.4	1.7
MOV330MD20JS25XX	D20	33		20%	20	26	65				24.0		5.4	1.8
MOV390LD20JS25XX	D20	39		15%	25	31	77				28.0		5.4	2.0
MOV470LD20JS25XX	D20	47		15%	30	38	93				34.0		5.6	2.0
MOV560LD20JS25XX	D20	56		15%	35	45	110				41.0		5.6	2.2
MOV680LD20JS25XX	D20	68		15%	40	56	135				49.0		6.1	2.5
MOV820KD20JS25XX	D20	82	1	10%	50	65	135	100	10000	6500	56.0	1.0	4.9	1.8
MOV101KD20JS25XX	D20	100		10%	60	85	165				72.0		5.1	1.8
MOV121KD20JS25XX	D20	120		10%	75	100	200				88.0		5.3	1.9
MOV151KD20JS25XX	D20	150		10%	95	125	250				106.0		5.6	2.2
MOV181KD20JS25XX	D20	180		10%	115	150	300				130.0		5.2	2.0
MOV201KD20JS25XX	D20	200		10%	130	170	340				140.0		5.3	2.0
MOV221KD20JS25XX	D20	220		10%	140	180	360				155.0		5.4	2.1
MOV241KD20JS25XX	D20	240		10%	150	200	395				168.0		5.5	2.3
MOV271KD20JS25XX	D20	270		10%	175	225	455				190.0		5.7	2.5
MOV301KD20JS25XX	D20	300		10%	195	250	505				210.0		5.9	2.7
MOV331KD20JS25XX	D20	330		10%	210	275	550				228.0		6.0	2.7
MOV361KD20JS25XX	D20	360		10%	230	300	595				255.0		6.2	2.9
MOV391KD20JS25XX	D20	390		10%	250	320	650				275.0		6.4	3.0
MOV431KD20JS25XX	D20	430		10%	275	350	710				303.0		7.2	3.3
MOV471KD20JS25XX	D20	470		10%	300	385	775				350.0		7.5	3.5
MOV511KD20JS25XX	D20	510		10%	320	418	842				382.0		7.7	3.9
MOV561KD20JS25XX	D20	560		10%	350	460	920				410.0		8.0	4.2
MOV621KD20JS25XX	D20	620		10%	385	505	1025				420.0		8.3	4.7
MOV681KD20JS25XX	D20	680		10%	420	560	1120				430.0		8.7	5.0
MOV751KD20JS25XX	D20	750		10%	460	615	1240				440.0		9.1	5.1
MOV781KD20JS25XX	D20	780		10%	485	640	1290				450.0		9.3	5.4
MOV821KD20JS25XX	D20	820		10%	510	670	1355				460.0		9.5	5.4
MOV911KD20JS25XX	D20	910		10%	550	745	1500				510.0		10.0	6.3
MOV102KD20JS25XX	D20	1000		10%	625	825	1650				566.0		11.0	6.4
MOV112KD20JS25XX	D20	1100		10%	680	895	1815				620.0		11.0	6.9
MOV182KD20JS25XX	D20	1800		10%	1000	1465	2970				1020.0		14.0	10.4