



Inverter 10D MOV Electrical Component , Practical Oxide Varistor Metal 10D471K 10D561K 10D220K 10D470K 10D180K

Basic Information

- Place of Origin: Dongguan China
- Brand Name: linkun
- Certification: CE / ROHS / UL / TUV / SGS
- Model Number: Metal Oxide Varistor 10D471K
- Minimum Order Quantity: 5000
- Price: Negotiation
- Packaging Details: Export Package / Negotiation
- Delivery Time: Negotiation
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 24 million per year



Product Specification

- Features: Non-Polarity
- Application: Power Inverter / New Energy
- Temperature Coefficient: 0~-0.05%/°C
- TMax. Allowable Voltage: AC: 300V DC: 385V
- Operating Temperature: -40°C ~ +125°C
- Material: Zinc Oxide
- Varistor Voltage: 423-517(V)
- Max. Clamping Voltage: IP: 25(A) VC: 775(V)
- Withstanding Surge Current: 1time: 2500(A) 2time: 1250(A)
- Max. Energy: 70(J)
- Typical Capacitance: 210(pf)
- Highlight: Inverter MOV Electrical Component,
10D MOV Electrical Component,
Practical Oxide Varistor Metal



More Images



Product Description



MOV Varistor Φ5mm Series



MOV Varistor Φ7mm Series



MOV Varistor Φ10mm Series



MOV Varistor Φ14mm Series



MOV Varistor Φ20mm Series



MOV Varistor Φ25mm Series



MOV Varistor Φ22mm Series



MOV Varistor Φ32mm Series

Our Product Introduction

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ZINC OXIDE VARISTOR



05D Specification
Put "J" In Free Code Stands For High Surge Series



PartNumber		Maximum Allowable Voltage 最大允许电压		Varistor Voltage 压敏电阻器动作电压	Clamping Voltage(Mxa) 抑制电压 @ (8/20)us	MaximumPeak Current 最大电流容量 (8/20)us		Maximum Energy 最大吸收能量 (10/1000)us		Rated Power 消耗功率	Typical Capacitance (Reference) 参考电容值	
		AC.rms	DC	V1.0mA(V)	VC	IP	Standard	High Surge	Standard	High Surge	(W)	@1KHz (pF)
Standard	High Surge	(V)			(V)	(A)	(A)		(J)			
05D180K	J	11	14	18(14.4-21.6)	40	1	100 / 50×2	250 / 100×2	0.4	0.6	0.01	1400
05D220K	J	14	18	22(18.7-26)	48				0.5	0.7		1150
05D270K	J	17	22	27(23-31.1)	60				0.6	0.9		930
05D330K	J	20	26	33(29.5-36.5)	73				0.8	1.1		760
05D390K	J	25	31	39(35-43)	80				0.9	1.2		640
05D470K	J	30	38	47(42-52)	104				1.1	1.5		530
05D560K	J	35	45	56(50-62)	123				1.3	1.8		450
05D680K	J	40	56	68(61-75)	145				1.6	2.2		370
05D820K	J	50	65	82(74-90)	150	5	400 / 200×2	800 / 400×2	2.5	4.0	0.10	300
05D101K	J	60	85	100(90-110)	175				3.0	4.1		250
05D121K	J	75	110	120(108-132)	210				4.0	4.9		210
05D151K	J	95	125	150(135-165)	260				4.8	6.5		165
05D181K	J	115	150	180(162-198)	320				5.9	7.5		140
05D201K	J	130	170	200(185-225)	355				6.5	8.5		125
05D221K	J	140	180	220(198-242)	380				7.0	9.0		110
05D241K	J	150	200	240(216-264)	415				8.0	10.5		100
05D271K	J	175	225	270(243-297)	475				8.5	11.0		95
05D301K	J	190	250	300(270-330)	520				9.0	12.0		85
05D331K	J	210	275	330(297-363)	570				9.5	13.0		75
05D361K	J	230	300	360(324-396)	620				1.0	16.0		70
05D391K	J	250	320	390(351-429)	675				12.0	17.0		65
05D431K	J	275	350	430(387-473)	745				13.0	20.0		60
05D471K	J	300	385	470(423-517)	810				15.0	21.0		55
05D511K	J	320	415	510(459-561)	845				16.0	22.5		50
05D561K	J	350	460	560(504-616)	920	16.8	24.0	45				
05D621K	J	385	505	620(558-682)	1025	17.7	26.6	40				
05D681K	J	420	560	680(612-748)	1120	19.4	29.1	38				
05D751K	J	460	615	750(675-825)	1240	22.4	32.0	30				

ZINC OXIDE VARISTOR



07D Specification
Put "J" In Free Code Stands For High Surge Series

PartNumber		Maximum Allowable Voltage 最大允许电压		Varistor Voltage 压敏电阻器动作电压	Clamping Voltage(Mxα) 抑制电压 @ (8/20)us	Maximum Peak Current 最大电流耐量 (8/20)us		Maximum Energy 最大吸收能量 (10/1000)us		Rated Power 消耗功率	Typical Capacitance (Reference) 参考电容值	
		AC.rms	DC	V1.0mA(V)	VC	IP	Standard	High Surge	Standard	High Surge	(W)	@1KHz (pF)
Standard	High Surge	(V)			(V)	(A)	(A)		(J)			
07D180K	J	11	14	18(14.4-21.6)	40	2.5	250 125×2	500 250×2	0.9	2.0	0.02	2800
07D220K	J	14	18	22(18.7-26)	48				1.1	2.4		2300
07D270K	J	17	22	27(23-31.1)	60				1.4	3.0		1800
07D330K	J	20	26	33(29.5-36.5)	73				1.7	3.5		1500
07D390K	J	25	31	39(35-43)	80				2.1	4.0		1300
07D470K	J	30	38	47(42-52)	104				2.5	5.0		1100
07D560K	J	35	45	56(50-62)	123	10	1200 600×2	1750 1200×2	3.1	6.0	0.25	890
07D680K	J	40	56	68(61-75)	145				3.6	7.0		740
07D820K	J	50	65	82(74-90)	150				5.5	10.0		600
07D101K	J	60	85	100(90-110)	175				6.5	12.0		500
07D121K	J	75	110	120(108-132)	210				7.8	13.0		420
07D151K	J	95	125	150(135-165)	260				9.7	15.0		330
07D181K	J	115	150	180(162-198)	320				11.7	16.0		280
07D201K	J	130	170	200(185-225)	340				13.0	17.0		250
07D221K	J	140	180	220(198-242)	360				14.0	19.0		230
07D241K	J	150	200	240(216-264)	395				15.0	21.0		210
07D271K	J	175	225	270(243-297)	455				18.0	24.0		185
07D301K	J	190	250	300(270-330)	500				20.0	26.0		165
07D331K	J	210	275	330(297-363)	550				23.0	28.0		150
07D361K	J	230	300	360(324-396)	595				24.0	32.0		140
07D391K	J	250	320	390(351-429)	650				26.0	35.0		130
07D431K	J	275	350	430(387-473)	710				28.0	40.0		115
07D471K	J	300	385	470(423-517)	775				29.0	42.0		105
07D511K	J	320	415	510(459-561)	845				31.0	45.0		100
07D561K	J	350	460	560(504-616)	925				35.0	49.0		90
07D621K	J	385	505	620(558-682)	1025				38.0	55.0		80
07D681K	J	420	560	680(612-748)	1120				42.0	60.0		75
07D751K	J	460	615	750(675-825)	1240				45.0	64.0		70
07D781K	J	485	640	780(702-858)	1290				48.0	69.0		65
07D821K	J	510	670	820(738-902)	1355				52.0	73.0		60

ZINC OXIDE VARISTOR



10D Specification
Put "J" In Free Code Stands For High Surge Series

PartNumber		Maximum Allowable Voltage 最大允许电压		Varistor Voltage 压敏电阻器动作电压	Clamping Voltage (1Ma) 抑制电压 @ (8/20)us	MaximumPeak Current 最大电流耐量 (8/20)us		Maximum Energy 最大吸收能量 (10/1000)us		Rated Power 消耗功率	Typical Capacitance (Reference) 参考电容值	
		AC.rms	DC	V1.0mA(V)	VC	IP	Standard	High Surge	Standard	High Surge	(W)	@1KHz (pF)
Standard	High Surge	(V)			(V)	(A)	(A)		(J)			
10D180K	J	11	14	18(14.4-21.6)	40	5	500 250×2	1000 500×2	2.1	3.0	0.05	5600
10D220K	J	14	18	22(18.7-26)	48				2.5	5.0		4500
10D270K	J	17	22	27(23-31.1)	60				3.0	6.0		3700
10D330K	J	20	26	33(29.5-36.5)	73				4.0	7.0		3000
10D390K	J	25	31	39(35-43)	80				4.6	9.0		2400
10D470K	J	30	38	47(42-52)	104				5.5	11.0		2100
10D560K	J	35	45	56(50-62)	123				7.0	13.0		1800
10D680K	J	40	56	68(61-75)	145				8.2	15.0		1500
10D820K	J	50	65	82(74-90)	150	25	2500 1250×2	3500 2500×2	12.0	17.0	0.40	1200
10D101K	J	60	85	100(90-110)	175				15.0	18.0		1000
10D121K	J	75	110	120(108-132)	210				18.0	21.0		830
10D151K	J	95	125	150(135-165)	260				22.0	25.0		670
10D181K	J	115	150	180(162-198)	320				27.0	30.0		560
10D201K	J	130	170	200(185-225)	340				30.0	35.0		500
10D221K	J	140	180	220(198-242)	360				32.0	39.0		450
10D241K	J	150	200	240(216-264)	395				35.0	42.0		420
10D271K	J	175	225	270(243-297)	455				37.0	49.0		370
10D301K	J	190	250	300(270-330)	500				40.0	54.0		330
10D331K	J	210	275	330(297-363)	550				43.0	58.0		300
10D361K	J	230	300	360(324-396)	595				47.0	65.0		280
10D391K	J	250	320	390(351-429)	650				60.0	70.0		260
10D431K	J	275	350	430(387-473)	710				65.0	80.0		230
10D471K	J	300	385	470(423-517)	775				67.0	85.0		210
10D511K	J	320	415	510(459-561)	845				69.0	90.0		200
10D561K	J	350	460	560(504-616)	925				70.0	92.0		180
10D621K	J	385	505	620(558-682)	1025				72.0	95.0		160
10D681K	J	420	560	680(612-748)	1120				75.0	98.0		150
10D751K	J	460	615	750(675-825)	1240				77.0	100.0		130
10D781K	J	485	640	780(702-858)	1290				80.0	105.0		125
10D821K	J	510	670	820(738-902)	1355				85.0	110.0		120
10D911K	J	550	745	910(819-1001)	1500				93.0	130.0		110
10D102K	J	625	825	1000(900-1100)	1650				102.0	140.0		100
10D112K	J	680	895	1100(990-1210)	1815				115.0	155.0		90

ZINC OXIDE VARISTOR



14D Specification
Put "J" In Free Code Stands For High Surge Series

PartNumber		Maximum Allowable Voltage 最大允许电压		Varistor Voltage 压敏电阻器动作电压	Clamping Voltage Voltage (Max) 抑制电压 @ (8/20)us		MaximumPeak Current 最大电流耐量 (8/20)us		Maximum Energy 最大吸收能量 (10/1000)us		Rated Power 消耗功率	Typical Capacitance (Reference) 参考电容值
		AC.rms	DC	V1.0mA(V)	VC	IP	Standard	High Surge	Standard	High Surge	(W)	@1KHz (pF)
Standard	High Surge	(V)			(V)	(A)	(A)		(J)			
14D180K	J	11	14	18(14.4-21.6)	40	10	1000 500×2	2000 1000×2	4.0	7.0	0.1	11100
14D220K	J	14	18	22(18.7-26)	48				5.0	8.0		9100
14D270K	J	17	22	27(23-31.1)	60				6.0	10.0		7400
14D330K	J	20	26	33(29.5-36.5)	73				7.5	12.0		6100
14D390K	J	25	31	39(35-43)	80				8.6	13.0		5100
14D470K	J	30	38	47(42-52)	104				10.0	17.0		4300
14D560K	J	35	45	56(50-62)	123				11.0	20.0		3600
14D680K	J	40	56	68(61-75)	145				14.0	24.0		2900
14D820K	J	50	65	82(74-90)	150				22.0	27.0		2400
14D101K	J	60	85	100(90-110)	175				28.0	33.0		2000
14D121K	J	75	110	120(108-132)	210	32.0	40.0	1700				
14D151K	J	95	125	150(135-165)	260	40.0	53.0	1300				
14D181K	J	115	150	180(162-198)	320	50.0	60.0	1100				
14D201K	J	130	170	200(185-225)	340	57.0	70.0	1000				
14D221K	J	140	180	220(198-242)	360	60.0	78.0	900				
14D241K	J	150	200	240(216-264)	395	63.0	84.0	830				
14D271K	J	175	225	270(243-297)	455	70.0	99.0	740				
14D301K	J	190	250	300(270-330)	500	77.0	108.0	670				
14D331K	J	210	275	330(297-363)	550	85.0	115.0	610				
14D361K	J	230	300	360(324-396)	595	93.0	130.0	560				
14D391K	J	250	320	390(351-429)	650	100.0	140.0	510				
14D431K	J	275	350	430(387-473)	710	115.0	155.0	460				
14D471K	J	300	385	470(423-517)	775	118.0	175.0	430				
14D511K	J	320	415	510(459-561)	845	121.0	180.0	390				
14D561K	J	350	460	560(504-616)	925	125.0	185.0	360				
14D621K	J	385	505	620(558-682)	1025	128.0	190.0	320				
14D681K	J	420	560	680(612-748)	1120	130.0	200.0	290				
14D751K	J	460	615	750(675-825)	1240	143.0	210.0	270				
14D781K	J	485	640	780(702-858)	1290	148.0	220.0	260				
14D821K	J	510	670	820(738-902)	1355	157.0	235.0	240				
14D911K	J	550	745	910(819-1001)	1500	175.0	255.0	220				
14D102K	J	625	825	1000(900-1100)	1650	190.0	280.0	200				
14D112K	J	680	895	1100(990-1210)	1815	213.0	310.0	180				
14D122K	J	750	990	1200(1080-1320)	1980	232.0	324.0	160				
14D142K	J	880	1140	1400(1260-1540)	2310	238.0	327.0	150				
14D152K	J	900	1200	1500(1350-1650)	2475	240.0	329.0	130				
14D162K	J	1000	1280	1600(1440-1760)	2640	243.0	331.0	140				
14D182K	J	1100	1465	1800(1620-1980)	2970	250.0	335.0	130				

ZINC OXIDE VARISTOR



20D Specification
Put "J" In Free Code Stands For High Surge Series

PartNumber		Maximum Allowable Voltage 最大允许电压		Varistor Voltage 压敏电阻器动作电压	Clamping Voltage (M _{ca}) 抑制电压 @ (8/20)us	MaximumPeak Current 最大电流容量 (8/20)us		Maximum Energy 最大吸收能量 (10/1000)us		Rated Power 消耗功率	Typical Capacitance (Reference) 参考电容值	
		AC rms	DC	V1.0mA(V)	VC	IP	Standard	High Surge	Standard	High Surge	(W)	@1KHz (pF)
Standard	High Surge	(V)			(V)	(A)	(A)		(J)			
20D180K	J	11	14	18(14.4-21.6)	40	20	2000 / 1000×2	3000 / 2000×2	11.0	13.0	0.2	28500
20D220K	J	14	18	22(18.7-26)	48				14.0	16.0		18500
20D270K	J	17	22	27(23-31.1)	60				16.0	19.0		13000
20D330K	J	20	26	33(29.5-36.5)	73				23.0	24.0		11500
20D390K	J	25	31	39(35-43)	80				26.0	28.0		8500
20D470K	J	30	38	47(42-52)	104				30.0	34.0		7400
20D560K	J	35	45	56(50-62)	123				38.0	44.0		6500
20D680K	J	40	56	68(61-75)	145				41.0	49.0		5800
20D820K	J	50	65	82(74-90)	150				45.0	56.0		4900
20D101K	J	60	85	100(90-110)	175				50.0	70.0		4000
20D121K	J	75	110	120(108-132)	210	100	6500 / 4500×2	10000 / 6500×2	55.0	85.0	1.00	3300
20D151K	J	95	125	150(135-165)	260				70.0	106.0		2700
20D181K	J	115	150	180(162-198)	320				85.0	130.0		2200
20D201K	J	130	170	200(185-225)	340				95.0	140.0		2000
20D221K	J	140	180	220(198-242)	360				100.0	155.0		1800
20D241K	J	150	200	240(216-264)	395				108.0	168.0		1650
20D271K	J	175	225	270(243-297)	455				127.0	190.0		1500
20D301K	J	190	250	300(270-330)	500				136.0	210.0		1300
20D331K	J	210	275	330(297-363)	550				150.0	228.0		1200
20D361K	J	230	300	360(324-396)	595				163.0	255.0		1100
20D391K	J	250	320	390(351-429)	650				180.0	275.0		1000
20D431K	J	275	350	430(387-473)	710				190.0	305.0		930
20D471K	J	300	385	470(423-517)	775				204.0	350.0		850
20D511K	J	320	415	510(459-561)	845				210.0	360.0		780
20D561K	J	350	460	560(504-616)	925				215.0	380.0		710
20D621K	J	385	505	620(558-682)	1025				224.0	390.0		650
20D681K	J	420	560	680(612-748)	1120				230.0	400.0		600
20D751K	J	460	615	750(675-825)	1240				255.0	420.0		530
20D781K	J	485	640	780(702-858)	1290				265.0	440.0		510
20D821K	J	510	670	820(738-902)	1355				282.0	460.0		500
20D911K	J	550	745	910(819-1001)	1500				310.0	510.0		440
20D102K	J	625	825	1000(900-1100)	1650				342.0	565.0		40
20D112K	J	680	895	1100(990-1210)	1815				383.0	620.0		360
20D122K	J	750	990	1200(1080-1320)	1980				408.0	660.0		350
20D102K	J	880	1140	1400(1260-1540)	2310				532.0	784.0		340
20D162K	J	1000	1280	1600(1440-1760)	2640				606.0	896.0		330
20D182K	J	1100	1465	1800(1620-1980)	2970				625.0	990.0		320

Non-Polarity MOV-10D Metal

Oxide Varistor For Voltage Spike Protection

How to use a metal oxide varistor in a circuit?

When the voltage is within the rated limits, the resistance of the MOV will be very high, so all the current flows through the circuit and no current flows through the MOV.

But when there is a voltage spike on the mains it will appear directly on the MOV since it is in parallel with the AC mains. This high voltage will reduce the resistance value of the MOV to a very low value, making it look like a short circuit.

This forces a high current through the MOV, which will cause the fuse to flow and disconnect the circuit from the supply voltage. During voltage spikes, the fault's high voltage will quickly return to normal values, in those cases the current will not last long enough to blow the fuse and the circuit returns to normal operation when the voltage becomes normal. However, every time a spike is detected, the MOV breaks the circuit by shorting out, damaging itself each time with the high current. So if you find MOVs damaged in any power circuit, it's probably because the circuit experienced many voltage spikes.

Model Number	14D 20D 181K 390K 431K 470K 471K 511K 561K 680K 681K 821K 102K
Package	Varistors
D/C	Newest
Condition	New & Original
Lead time	Within 1 day
Unit Price	Contact us for latest price
More details	Please contact us

Applications:

Varistors may be used in many applications, including:

- Computers
- Timers
- Amplifiers
- Oscilloscopes
- Medical analysis equipment
- Street lighting

- Tuners

Competitive Advantage:

Factory supply directly

Completed certificates such as UL,VDE,SGS,etc and high quality available

Quick delivery

Best after-sales services

OEM & ODM available

Model and parameters

Model	Maximum continuous working voltage		Varistor voltage	maximum limit Voltage		flow capacity(8/20u s)		maximum energy (J)		rated power	capacitance
	AC(V)	DC(V)	V0.1mA	Vp(V)	Ip(A)	1 (A)	2 (A)	10/1000us	2ms	(W)	1KH Z (pF)
MYG-32D391K	250	320	390(351-429)	650	200	25000	20000	330			3200
MYG-32D431K	275	350	430(387-473)	710	200	25000	20000	360			3100
MYG-32D471K	300	385	470(423-517)	775	200	25000	20000	380			2800
MYG-32D511K	320	415	510(459-561)	845	200	25000	20000	430			2700
MYG-32D621K	385	505	620(558-682)	1025	200	25000	20000	470			2400
MYG-32D681K	420	560	680(612-748)	1120	200	25000	20000	495			2200
MYG-32D751K	460	615	750(657-825)	1240	200	25000	20000	520			2000
MYG-32D781K	485	640	780(702-858)	1290	200	25000	20000	550			1900
MYG-32D821K	510	670	820(738-902)	1355	200	25000	20000	580			1800
MYG-32D911K	550	745	910(819-1001)	1500	200	25000	20000	620			1300
MYG-32D951K	575	765	950(855-1045)	1570	200	25000	20000	650			1200
MYG-32D102K	625	825	1000(900-1100)	1650	200	25000	20000	685			1100
MYG-32D112K	680	895	1100(990-1210)	1815	200	25000	20000	750			1000
MYG-40D210K	130	170	200(185-225)	395	250	40000	25000	310			8400
MYG-40D241K	150	200	240(216-264)	455	250	40000	25000	360			8000
MYG-40D271K	175	225	270(243-297)	550	250	40000	25000	390			7600
MYG-40D331K	210	275	330(297-363)	595	250	40000	25000	460			6700
MYG-40D361K	230	300	360(324-396)	650	250	40000	25000	475			6200
MYG-40D391K	250	320	390(351-429)	710	250	40000	25000	490			5100
MYG-40D431K	275	350	430(387-473)	775	250	40000	25000	550			4900

MYG-40D471 K	300	385	470(423-517)	845	250	40000	25000	600			4300
MYG-40D511 K	320	415	510(459-561)	1025	250	40000	25000	640			4200
MYG-40D621 K	385	505	620(558-682)	1120	250	40000	25000	720			3800
MYG-40D681 K	420	560	680(612-748)	1240	250	40000	25000	750			3500
MYG-40D751 K	460	615	750(675-825)	1290	250	40000	25000	780			3200
MYG-40D781 K	485	640	780(702-858)	1355	250	40000	25000	820			3000
MYG-40D821 K	510	670	820(738-902)	1500	250	40000	25000	900			2900



Production Process / Quality Control



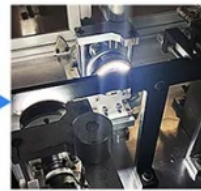
1. Lead Forming



2. The combination of lead and chip



3. Soldering



4. Soldering Inspection



5. Epoxy Resin Coating



6. Baking



7. Laser Printing



8. Electrical Performance Test



9. Appearance Inspection



10. Lead Cutting or Pulling out



11. FQC and Packing

Application

1. Varistor voltage: refers to the voltage value across the varistor at a specified temperature and DC (generally 1mA or 0.1mA). Recorded as V1mA or V0.1mAo
2. Maximum continuous voltage: refers to the maximum effective value of sinusoidal AC voltage or the maximum DC voltage value that can be continuously applied to both ends of the varistor for a long time under the specified ambient temperature
3. Limiting voltage: refers to the maximum peak voltage at both ends of the varistor when a specified surge current (8,20 μ s) passes through it.
4. Rated power: refers to the maximum average impact power that can be applied to the varistor under the specified ambient temperature.
5. Maximum energy: the maximum impact energy that can be applied to the varistor under the condition that the varistor voltage does not change more than $\pm 10\%$ and the impulse current waveform is 10, 1000 μ s or 2ms.
6. Current capacity (maximum inrush current)

PRODUCT CATEGORIES



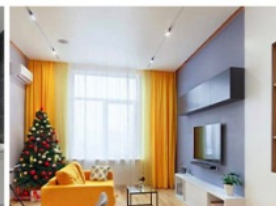
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TPE Temperature Sensor

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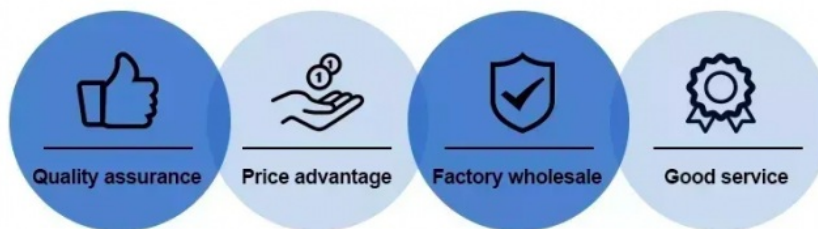
CERTIFICATES



OUR PARTNERS



Our advantage:



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