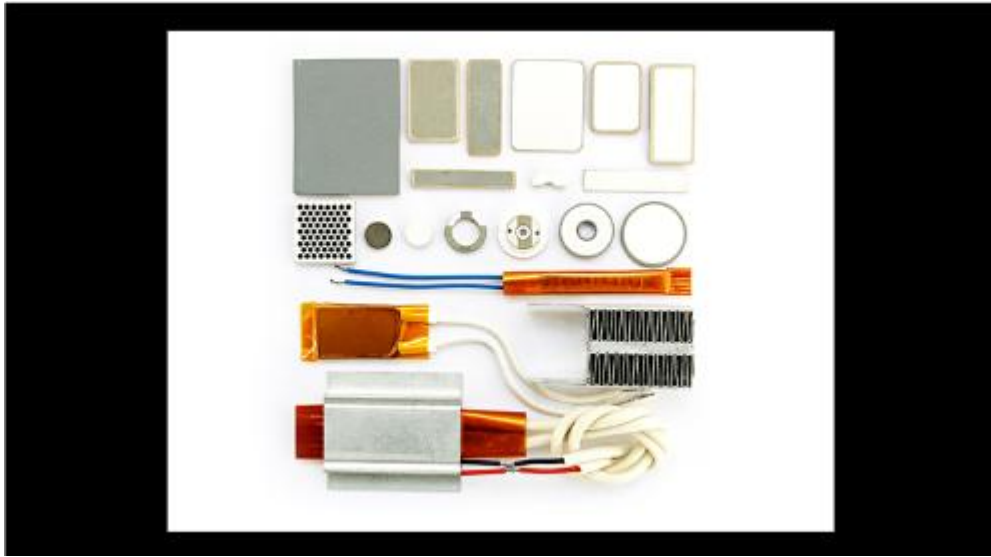


Dongguan Linkun Electronic Technology Co., Ltd.

PTC thermistor for heating



--Low voltage type

--High voltage type

Category PTC thermistor for heating

Product Description

Application

- Automotive Industry
 - ◆ Cabin heating system for electric vehicles
 - ◆ Diesel preheating and filter heating
 - ◆ Heating of crankcase exhaust system
 - ◆ Heating of windshield washer nozzles
 - ◆ Constant temperature of electric vehicle battery pack
- Household Industry
 - ◆ Heating of bimetallic strips for washing machine door locks and thermostats
 - ◆ Warm air heating

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- ◆ Heating of mosquito repellent and perfume vaporizers
- ◆ Heating of medical equipment
- ◆ Oil preheating for fuel burners
- ◆ Heating of thermal actuators

• Others

- ◆ Heating of fiber optic communication distributors
- ◆ Heating of camera lenses
- ◆ Heating of sol guns and plastic welding

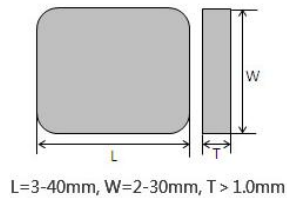
Features

- ◆ Excellent life characteristics, ensuring longer service life than nickel-chromium heaters under normal operating conditions
- ◆ The heater element itself has temperature regulation and self-control functions
- ◆ Interlocking with bimetallic strips or obtaining available travel displacement
- ◆ Easy to achieve compact and lightweight component design and easy to install
- ◆ No fire risk

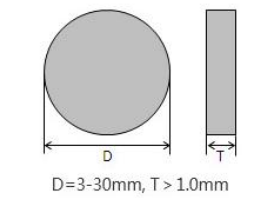
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Structure and parameters

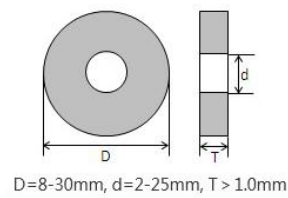
Square plate type



Circular plate type



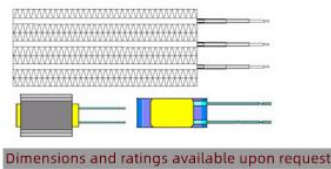
Ring plate type



Honeycomb type



Assembly type



Model and parameters

◆ Low voltage use

Product Model	Curie temperature	Surface temperature	25°C Zero power resistance	Operating voltage	Max voltage	Size		
	Tc(°C)	Ts(±10°C)				(Ω)	Vr(V)	Vmax(V)
MZ4X1Φ190415-2R0□9/40	0	40	2.0	9	18	Φ19.0	Φ4.3	1.5
MZ4P4S1210-9R0□V12/70	40	70	9	12	30	Φ12.0	-	1
MZ4P6S1210-9R0□V12/80	60	80	9	12	30	Φ12.0	-	1
MZ4P8S1210-9R0□V12/95	80	95	9	12	30	Φ12.0	-	1
MZ4P9S0825-360□V24/115	90	115	36	24	30	Φ8.5	-	2.5
MZ4X0S0815-180□V24/120	100	120	18	24	30	Φ8.0	-	1.5
MZ4X1Φ160415□12/120	110	120	2.4	12	24	Φ16.0	Φ4.3	1.5
MZ4X0S0815-100□V24/125	100	125	10	24	30	Φ8.0	-	1.5
MZ4X2S1210-9R0□V12/130	120	130	9	12	30	Φ12.0	-	1
MZ4X3S1215-3R0□V12/140	130	140	3.00	12	14	Φ12.0	-	1.5
MZ4X3S1215-1R5□V12/145	135	145	1.55	13.5	28	Φ12.0	-	1.5

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MZ4X5S1216-2R0□V13/160	150	160	2	13.5	28	Φ12.0	-	1.6
MZ4X5S1210-9R0□V12/165	155	165	9	12	30	Φ12.0	-	1
MZ4X8S1210-9R0□V12/185	180	185	9	12	30	Φ12.0	-	1
MZ4X9S0820-100□V18/215	195	215	100	18	36	Φ8.0	-	2
MZ4Y4S1516-4R5□V13/250	240	250	4.5	13.5	24	Φ14.7	-	1.65
MZ4P8S350614-3R2□V12/110	80	110	3.2	12	20	35.0	6.2	1.4
MZ4X3S221225-1R8□V14/145	135	145	1.88	14	18	22.0	12	2.5
MZ4X3S341524-3R1□V24/145	135	145	3.13	24	36	34.0	15	2.4
MZ4X2S350614-3R2□V12/145	120	145	3.2	12	20	35.0	6.2	1.4
MZ4X4S281216-1R6□V14/150	140	150	1.65	13.5	28	28.0	12	1.65
MZ4X4S360820-5R0□V24/150	140	150	5	24	36	36.0	8	2
MZ4X5S300610-4R5□V14/160	150	160	4.5	13.5	24	30.0	5.8	1
MZ4X5S160416-1R5□V12/165	155	165	1.5	12	24	16.5	4.5	1.65
MZ4X6S341524-1R7□V12/170	160	170	1.7	12	24	34.0	15	2.4
MZ4X6S300610-200□V48/170	160	170	20	48	60	30.0	5.8	1
MZ4X7S300610-2R3□V12/180	170	180	2.35	12	24	30.0	5.8	1
MZ4X7S300610-3R0□V12/180	170	180	3	12	24	30.0	5.8	1
MZ4X6S350614-3R2□V12/180	160	180	3.2	12	20	35.0	6.2	1.4
MZ4X8S350614-3R2□V12/200	180	200	3.2	12	20	35.0	6.2	1.4
MZ4Y2S350614-6R4□V12/230	220	230	6.4	12	20	35.0	6.2	1.4

Notes:

1. □ represents the deviation range of R25 M: ±20% X: ±25% N: ±30% S: Special
2. The operating voltage can be selected from 1.5-68V, and the surface temperature can be selected from 35-350°C
3. Other specifications or parameters can be customized

◆ High voltage use

Product Model	Curie temperature	Surface temperature	25°C Zero power resistance	Operating voltage	Max voltage	Size		
	Tc(°C)	Ts(±10°C)	(Ω)	Vr(V)	Vmax(V)	D/L(mm)	W(mm)	T(mm)
MZ4P5S1220-122□V230/100	50	100	1200	230	270	Φ11.8	-	2.0
MZ4P9S1220-122□V230/125	90	125	1200	230	270	Φ11.8	-	2.0

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MZ4X2S1325-102□V110/135	120	135	1000	110	140	Φ13.0	-	2.5
MZ4X1S0803-422□V230/135	110	135	4200	230	270	Φ8.0	-	3
MZ4X1S1220-122□V230/140	110	140	1200	230	270	Φ11.8	-	2.0
MZ4X3S1220-122□V230/160	130	160	1200	230	270	Φ11.8	-	2.0
MZ4X5S0803-422□V230/170	150	170	4200	230	270	Φ8.0	-	3
MZ4X5S1220-122□V230/180	150	180	1200	230	270	Φ11.8	-	2.0
MZ4X8S0803-422□V230/200	180	200	4200	230	270	Φ8.0	-	3
MZ4Y2S0803-602□V230/235	220	235	6000	230	270	Φ8.0	-	3
MZ4Y3S0803-102□V230/240	230	240	1000	230	270	Φ8.0	-	3
MZ4P5S350620-701□V230/100	50	100	700	230	270	35.0	6.2	2
MZ4P7S350620-701□V230/115	70	115	700	230	270	35.0	6.2	2
MZ4X1S350620-701□V230/145	110	145	700	230	270	35.0	6.2	2
MZ4X3S350620-701□V230/160	130	160	700	230	270	35.0	6.2	2
MZ4X6S241520-302□V220/170	160	170	3000	220	480	24.0	15	2
MZ4X6S241524-152□V360/170	160	170	1500	360	420	24.0	15	2.4
MZ4X5S350620-701□V230/180	150	180	700	230	270	35.0	6.2	2
MZ4X5S281221-302□V400/190	155	190	3000	400	600	28.8	12.4	2.1
MZ4X8S350620-701□V230/205	180	205	700	230	270	35.0	6.2	2
MZ4X9S291021-402□V350/215	190	215	4000	350	800	28.8	9.8	2.1
MZ4X9S393126-151□V600/220	195	220	150	600	750	39.2	30.8	2.6
MZ4Y2S393119-871□V350/240	220	240	875	350	450	39.2	30.8	1.9
MZ4Y2S393125-871□V540/240	220	240	875	540	600	39.2	30.8	2.5
MZ4Y2S350620-102□V230/240	220	240	1000	230	270	35.0	6.2	2
MZ4Y7S350620-132□V230/280	270	280	1300	230	270	35.0	6.2	2

Notes:

1. □ represents the deviation range of R25 M: ±20% X: ±25% N: ±30% S: Special
2. The working voltage can be selected from 100-1000V, and the surface temperature can be selected from 35-350℃
3. Other specifications or parameters can be customized