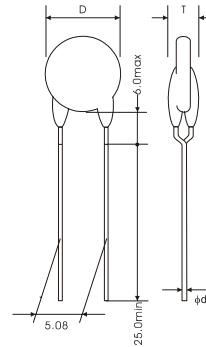


Characteristics

1. MZ31 series PTC thermistor is pins resin coated parts.
2. High voltage withstanding capacity: 420V_{AC}-1000V_{AC}
3. Small dimension
4. Applied for frequently switching
5. Delayed time stability.
6. Complete parts.
7. Switch life can be 100 000 cycles.

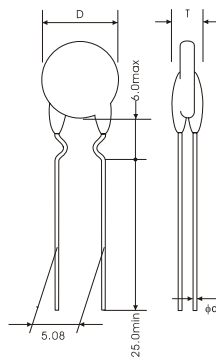


Side kinked pins

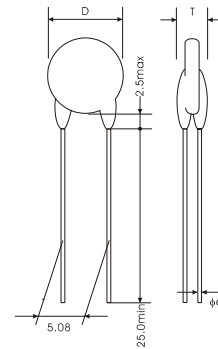
Application

1. Energy saving light.
2. Electronic ballast

Dimension (Unit: mm)

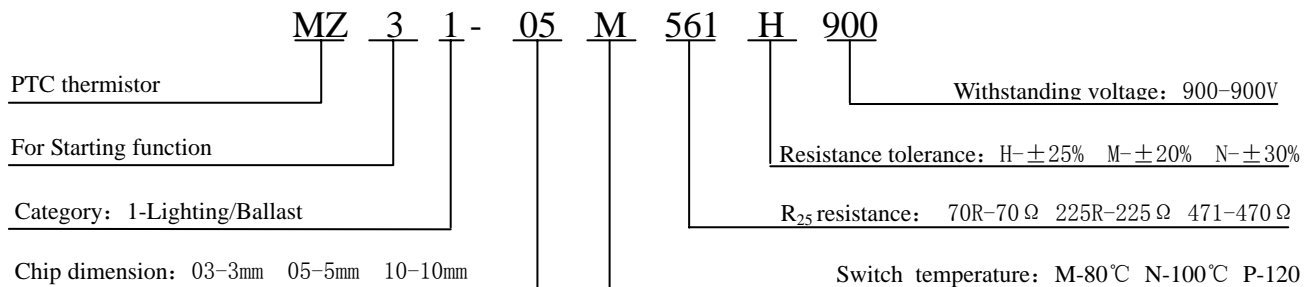


Inner kinked pins



Straight pins

Part Number Explanation



Data Sheet

Part Number	Switch temperature T _c (°C)	Resistance @ 25°C R ₂₅ (Ω)	Withstanding voltage V _{AC} (V)	Max. current I _{max} (mA)	Dimension (mm)		
					D _{max}	T _{max}	Φ d
MZ31-03M151N500	80 (M)	150 ± 30%	500	200	4.5	5.0	0.5
MZ31-03M271N650		270 ± 30%	650	200			
MZ31-03M391N650		390 ± 30%	650	200			
MZ31-03M681N800		680 ± 30%	800	200			
MZ31-03M102N800		1000 ± 30%	800	100			
MZ31-03M152N800		1500 ± 30%	800	100			
MZ31-03M222N800		2200 ± 30%	800	100			
MZ31-03M332N800		3300 ± 30%	800	100			
MZ31-03M472N800		4700 ± 30%	800	100			



Time delay of lighting starting

MZ31-04M101N500	80 (M)	100 ± 30%	500	300	5.5	5.0	0.6
MZ31-04M151N500		150 ± 30%	500	300			
MZ31-04M221N650		220 ± 30%	650	300			
MZ31-04M391N800		390 ± 30%	800	300			
MZ31-04M561N800		560 ± 30%	800	200			
MZ31-04M681N900		680 ± 30%	900	200			
MZ31-04M102N900		1000 ± 30%	900	100			
MZ31-04M152N900		1500 ± 30%	900	100			
MZ31-04M222N900		2200 ± 30%	900	100			
MZ31-04M332N900		3300 ± 30%	900	100			
MZ31-05M101N650	80 (M)	100 ± 30%	650	400	6.5	5.0	0.6
MZ31-05M151N650		150 ± 30%	650	400			
MZ31-05M271N800		270 ± 30%	800	400			
MZ31-05M391N900		390 ± 30%	900	400			
MZ31-05M561N900		560 ± 30%	900	300			
MZ31-05M102N900		1000 ± 30%	900	100			
MZ31-05M152N900		1500 ± 30%	900	100			
MZ31-05M222N900		2200 ± 30%	900	100			
MZ31-07M70RN650	80 (M)	70 ± 30%	650	600	8.0	5.0	0.6
MZ31-07M101N650		100 ± 30%	650	600			
MZ31-07M151N800		150 ± 30%	800	600			
MZ31-07M221N800		220 ± 30%	800	600			
MZ31-07M271N900		270 ± 30%	900	600			
MZ31-07M391N900		390 ± 30%	900	400			
MZ31-07M561N900		560 ± 30%	900	300			
MZ31-07M681N900		680 ± 30%	900	200			
MZ31-07M102N900		1000 ± 30%	900	100			
MZ31-03N151N420		100 (N)	150 ± 30%	420			
MZ31-03N175RN500	175 ± 30%		500	200			
MZ31-03N225RN500	225 ± 30%		500	200			
MZ31-03N391N650	390 ± 30%		650	200			
MZ31-03N561N650	560 ± 30%		650	200			
MZ31-03N681N650	680 ± 30%		650	200			
MZ31-03N102N800	1000 ± 30%		800	100			
MZ31-03N152N800	1500 ± 30%		800	100			
MZ31-04N101N420	100 (N)	100 ± 30%	420	300	5.5	5.0	0.6
MZ31-04N151N500		150 ± 30%	500	300			
MZ31-04N175RN500		175 ± 30%	500	300			
MZ31-04N225RN500		225 ± 30%	500	300			
MZ31-04N301N650		300 ± 30%	650	300			
MZ31-04N391N650		390 ± 30%	650	300			
MZ31-04N601N800		600 ± 30%	800	200			
MZ31-04N851N800		850 ± 30%	800	100			



Time delay of lighting starting

MZ31-05N101N500	100 (N)	100 ± 30%	500	400	6.5	5.0	0.6
MZ31-05N151N650		150 ± 30%	650	400			
MZ31-05N221N650		220 ± 30%	650	400			
MZ31-05N301N650		300 ± 30%	650	400			
MZ31-05N391N800		390 ± 30%	800	400			
MZ31-05N561N800		560 ± 30%	800	300			
MZ31-05N681N900		680 ± 30%	900	200			
MZ31-05N851N900		850 ± 30%	900	100			
MZ31-05N102N900		1000 ± 30%	900	100			
MZ31-07N70RN650		100 (N)	70 ± 30%	650			
MZ31-07N101N650	100 ± 30%		650	600			
MZ31-07N151N800	150 ± 30%		800	600			
MZ31-07N221N800	220 ± 30%		800	600			
MZ31-07N271N800	270 ± 30%		800	600			
MZ31-07N331N800	330 ± 30%		800	400			
MZ31-07N391N900	390 ± 30%		900	400			
MZ31-07N561N900	560 ± 30%		900	300			
MZ31-03P151N420	120 (P)	150 ± 30%	420	200	4.5	5.0	0.5
MZ31-03P175RN420		175 ± 30%	420	200			
MZ31-03P271N500		270 ± 30%	500	200			
MZ31-03P331N650		330 ± 30%	650	200			
MZ31-03P391N650		390 ± 30%	650	200			
MZ31-03P561N650		560 ± 30%	650	200			
MZ31-03P681N650		680 ± 30%	650	200			
MZ31-03P102N650		1000 ± 30%	650	100			
MZ31-05P101N500	120 (P)	100 ± 30%	500	400	6.5	5.0	0.6
MZ31-05P151N500		150 ± 30%	500	400			
MZ31-05P175RN650		175 ± 30%	650	400			
MZ31-05P221N650		220 ± 30%	650	400			
MZ31-05P301N650		300 ± 30%	650	400			
MZ31-05P391N650		390 ± 30%	650	400			
MZ31-05P561N800		560 ± 30%	800	300			
MZ31-05P681N800		680 ± 30%	800	200			
MZ31-05P102N800		1000 ± 30%	800	100			

Notes:

1. R₂₅ resistance tolerance can be selected upon customer's requirement.
2. Pin kinked form can be selected.
3. Packing can be made upon customer's requirement.