

PTC Thermistor Datasheet



1.Introduction of Thermistor PTC MZ11 series:

The Thermistor PTC for light efficient design is an ideal solution for time delay starting in lighting systems and ballast electronic systems, specifically in the MZ11 series.

2.Thermistor PTC MZ11 series Technical Specifications

Our Thermistor PTC MZ11 series solution offers superior performance in lighting systems.

The Thermistor PTC models listed below are specially designed for efficient lighting systems.For detailed information about PTC Resistor models, visit our product page.Learn more about them.

Item	PTC Resistor Part No.	Curie temperature T _c (°C)	Resistance R ₂₅ (Ω) ±30%	Max voltage V _{acmax} (V)	Max. current I _{acmax} (mA)	Dimension (mm)		
						Dmax	Tmax	Φd
1	MZ11-03H332N800	75(H)	3300	800	100	4.5	5.0	0.5
2	MZ11-03H222N800		2200	800	100			
3	MZ11-03H152N800		1500	800	100			
4	MZ11-03H102N800		1000	800	100			
5	MZ11-03H681N800		680	800	200			
6	MZ11-03H391N650		390	650	200			
7	MZ11-03H271N650		270	650	200			
8	MZ11-03H151N500		150	500	200			
9	MZ11-04H332N900	75(H)	3300	900	100	5.5	5.0	0.6
10	MZ11-04H222N900		2200	900	100			
11	MZ11-04H152N900		1500	900	100			
12	MZ11-04H102N900		1000	900	100			
13	MZ11-04H681N900		680	900	200			
14	MZ11-04H391N800		390	800	300			
15	MZ11-04H271N800		270	800	300			
16	MZ11-04H151N500		150	500	300			
17	MZ11-04H101N500	100	500	300				
18	MZ11-05H332N1000	75(H)	3300	1000	200	6.5	5.0	0.6
19	MZ11-05H222N900		2200	900	100			
20	MZ11-05H152N900		1500	900	100			
21	MZ11-05H102N900		1000	900	100			
22	MZ11-05H681N900		680	900	300			
23	MZ11-05H391N900		390	900	400			
24	MZ11-05H271N800		270	800	400			
25	MZ11-05H151N650		150	650	400			
26	MZ11-05H101N650	100	650	400				
27	MZ11-07H102N900	75(H)	1000	900	100	8.0	5.0	0.6
28	MZ11-07H681N900		680	900	200			
29	MZ11-07H561N900		560	900	300			
30	MZ11-07H391N900		390	900	400			
31	MZ11-07H271N900		270	900	600			
32	MZ11-07H221N800		220	800	600			
33	MZ11-07H151N800		150	800	600			
34	MZ11-07H101N650		100	650	600			
35	MZ11-07H70RN650	70	650	600				

PTC Thermistor Datasheet

Item	PTC Resistor Part No.	Curie temperature T _c (°C)	Resistance R ₂₅ (Ω) ±30%	Max voltage Vacmax (V)	Max. current Iacmax (mA)	Dimension (mm)		
						Dmax	Tmax	Φd
36	MZ11-03N102N800	100(N)	1000	800	100	4.5	5.0	0.5
37	MZ11-03N152N800		1500	800	100			
38	MZ11-03N681N650		680	650	200			
39	MZ11-03N391N650		390	650	200			
40	MZ11-03N561N650		560	650	200			
41	MZ11-03N225RN500		225	500	200			
42	MZ11-03N151N420		150	420	200			
43	MZ11-04N851N800	100(N)	850	800	100	5.5	5.0	0.6
44	MZ11-04N601N800		600	800	200			
45	MZ11-04N391N650		390	650	300			
46	MZ11-04N301N650		300	650	300			
47	MZ11-04N225RN500		225	500	300			
48	MZ11-04N175RN500		175	500	300			
49	MZ11-04N151N500		150	500	300			
50	MZ11-04N101N420		100	420	300			
51	MZ11-05N102N900	100(N)	1000	900	100	6.5	5.0	0.6
52	MZ11-05N851N900		850	900	100			
53	MZ11-05N681N900		680	900	200			
54	MZ11-05N561N800		560	800	300			
55	MZ11-05N391N800		390	800	400			
56	MZ11-05N301N650		300	650	400			
57	MZ11-05N221N650		220	650	400			
58	MZ11-05N151N650		150	650	400			
59	MZ11-05N101N500	100	500	400				
60	MZ11-07N561N900	100(N)	560±30%	900	300	8.0	5.0	0.6
61	MZ11-07N391N900		390±30%	900	400			
62	MZ11-07N331N800		330±30%	800	400			
63	MZ11-07N271N800		270±30%	800	600			
64	MZ11-07N221N800		220±30%	800	600			
65	MZ11-07N151N800		150±30%	800	600			
66	MZ11-07N101N650		100±30%	650	600			
67	MZ11-07N70RN650		70±30%	650	600			
68	MZ11-03P102N650	120(P)	1000	650	100	4.5	5.0	0.5
69	MZ11-03P681N650		680	650	200			
70	MZ11-03P561N650		560	650	200			
71	MZ11-03P391N650		390	650	200			
72	MZ11-03P331N650		330	650	200			
73	MZ11-03P271N500		270	500	200			
74	MZ11-03P175RN420		175	420	200			
75	MZ11-03P151N420	150	420	200				
76	MZ11-05P102N800	120(P)	1000	800	100	6.5	5.0	0.6
77	MZ11-05P681N800		680	800	200			
78	MZ11-05P561N800		560	800	300			
79	MZ11-05P391N650		390	650	400			
80	MZ11-05P301N650		300	650	400			
81	MZ11-05P221N650		220	650	400			

PTC Thermistor Datasheet

Item	PTC Resistor Part No.	Curie temperature T _c (°C)	Resistance R ₂₅ (Ω) ±30%	Max voltage V _{acmax} (V)	Max. current I _{acmax} (mA)	Dimension (mm)		
						D _{max}	T _{max}	Φ _d
82	MZ11-05P175RN650		175	650	400			
83	MZ11-05P151N500		150	500	400			
84	MZ11-05P101N500		100	500	400			

Note: 1. R 25 resistance tolerance can be selected per customer's requirement.
 2. Encapsulation mode can be made per customer's requirement.
 3. [PTC Resistor](#) wire shape kinked form can be selected.

3.Conclusion of Termistor PTC MZ11 Series

For additional details about integrating these thermistors into your lighting designs, refer to the Thermistor PTC for Light Efficient Design by visiting our [detailed product page](#).