

PTC Termistors Datasheet**1.Introduction of PTC Termistor MZ31 Series for Overload Protection**

The PTC Termistor for overcurrent and overload protection, MZ31 series PTC Thermistor, is a versatile solution designed for circuit protection. This Termistor PTC is widely used in various electronic systems to provide reliable and efficient protection against overcurrent conditions.

2.Technical Specifications of the MZ31 Termistor PTC Series

The MZ31 series PTC Termistor offers a broad range of specifications, ensuring flexibility to meet your application's requirements:

- 1).Resistance at 25°C (R25): 3.7Ω to 85Ω.
- 2).Non-trip current (Int): 45 mA to 530 mA.
- 3).Trip current (It): 120 mA to 1050 mA.
- 4).Maximum operating voltage: 220V to 265V.
- 5).Curie temperature: 125 °C.

You can explore more about the specific features of the MZ31 PTC Thermistor series for detailed customization options.

Item	PTC Termistors Part No.	Resistance @25 °C R 25 (Ω) ± 25%	Non-trip current Int (mA)		Trip current @25 °C It (mA)	Max Operating Voltage Vmax (V)	Max. current I m a x (A)	Curie temperature T c (°C)	Dimension (mm)		
			@25°C	@60 °C					D max	T max	Φd ±0.02
1	MZ31-3A20K3R7H265	3.7	530	430	1050	265	4.3	125	22.0	5.0	0.6
2	MZ31-3A16K6R0H265	6	390	300	780	265	3.1		17.5	5.0	0.6
3	MZ31-3A16K7R0H265	7	350	280	700	265	3.1		17.5	5.0	0.6
4	MZ31-3A13K10RH265	10	260	200	520	265	1.8		14.0	5.0	0.6
5	MZ31-3A13K12RH265	12	225	180	450	265	1.8		14.0	5.0	0.6
6	MZ31-3A12K107H265	10	250	200	500	265	1.8		13.5	5.0	0.6
7	MZ31-3A10K15RH265	15	180	140	350	265	1.2		11.0	5.0	0.6
8	MZ31-3A10K39RH265	39	130	100	250	265	1.2		11.0	5.0	0.6
9	MZ31-3A08K15RH250	15	150	120	300	250	0.8		9.0	5.0	0.6
10	MZ31-3A08K25RH265	25	130	100	250	265	0.8		9.0	5.0	0.6
11	MZ31-3A08K35RH250	35	115	90	225	250	0.8		9.0	5.0	0.6
12	MZ31-3A08K45RH265	45	105	80	200	265	0.8		9.0	5.0	0.6
13	MZ31-3A08K55RH265	55	90	70	180	265	0.8		9.0	5.0	0.6
14	MZ31-3A07K82RH265	82	70	50	140	265	0.6		8.0	5.0	0.6
15	MZ31-3A07K56RH265	56	90	60	175	265	0.6		8.0	5.0	0.6
16	MZ31-3A06K33RH250	33	110	85	200	250	0.4		7.0	4.5	0.6
17	MZ31-3A05K70RH265	70	65	50	130	265	0.3		6.5	5.0	0.6
18	MZ31-3A08P72RH220	72	90	70	180	220	0.6		10.0	5.0	0.6
19	MZ31-3A05K85RH265	85	60	45	120	265	0.3		6.5	5.0	0.6

3.Conclusion: Why Choose the MZ31 Series PTC Thermistor?

Our MZ31 PTC Termistor series is an ideal choice for overcurrent and overload protection. These Termistor PTC components provide custom solutions with adjustable R25 resistance, customizable encapsulation modes, and selectable lead wire shapes. To learn more about how the PTC Thermistor can improve your circuit protection, visit our detailed product page.