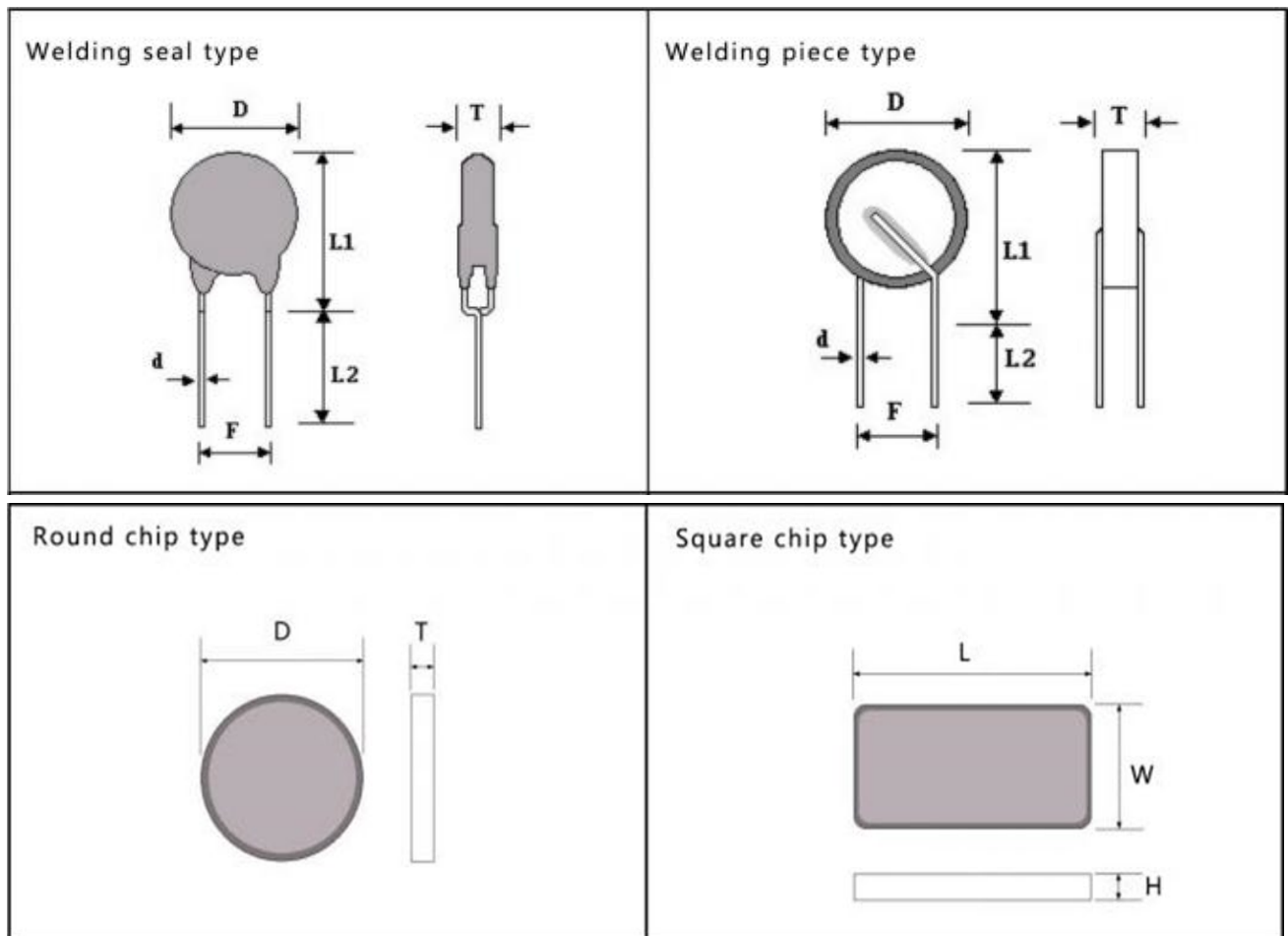


Features

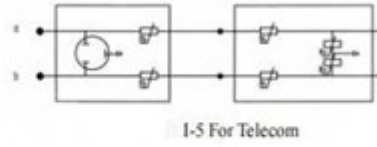
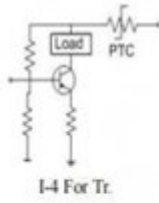
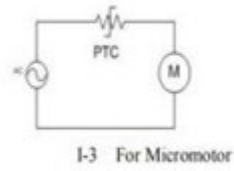
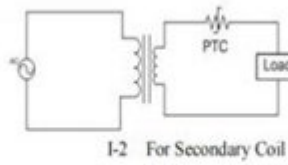
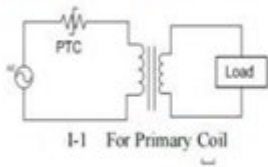
- Non-contact circuit and component protection
- Automatically limit overcurrent
- Automatic recovery after troubleshooting
- No noise and no sparks when working
- Reliable and easy to use

Application

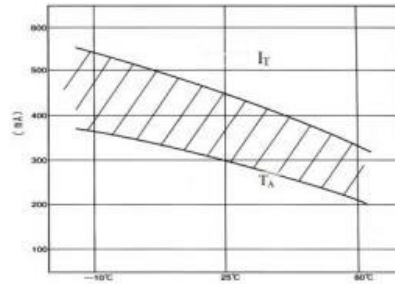
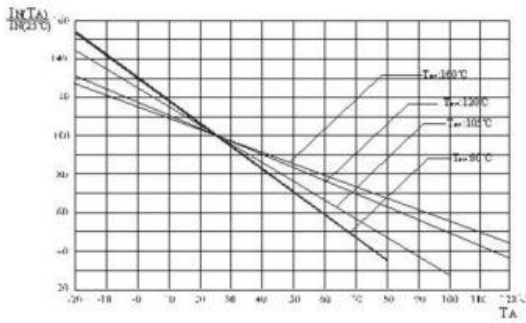
For Over Current Protection of the Adaptor (Primary Coil) / Charger / Watt-hour Meter / Multimeter / Micromotor and Transistor etc.



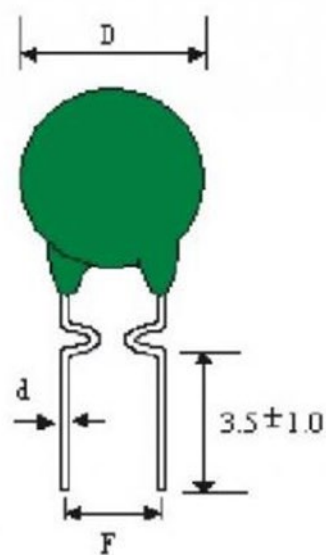
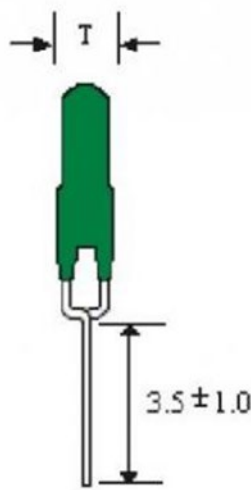
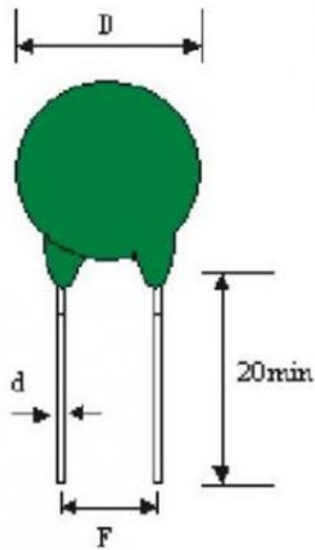
■ EXAMPLE OF APPLICATION



1



II Current Characteristics



Straight

Axis-formed

In-formed

■ PART NUMBERING

WMZ12A (I / II)	-	120	SL	15R	M	U	U	200	B	5	-	G	6	B
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(11)	(12)	(13)

- (1) Series: WMZ12A (I / II / III) Overcurrent, overheating, overvoltage protection series thermistors
- (2) Curie Temp. : 50 - 50°C 75 - 75°C 85 - 85°C 105 - 105°C 120 - 120°C
- (3) Max Diameter D max : S - Φ4.5 A - Φ6.5 B - Φ8.5 LB-Φ10 M-Φ11.5 SL-Φ14.5
- (4) Rated Zero Power Resistance R N : 1R0- 1Ω 4R7-4.7Ω 15R-15Ω 101-100Ω
- (5) Tolerance of Resistance : V - ±25% M - ±20% K - ±10%
- (6) Shape of Leads : U - In-formed S - Straight A - Axis-formed
- (7) Leads material:U: Cu (P: Cp)
- (8) Max. Non Operating Current: 200-200mA 060-60mA 008-8mA
- (9) Packing Type: B - Bulk (A - Ammo R - Reel)
- (10) Leads Length: 5 : 5mm (10 : 10mm)
- (11) Coating Material: S-Black Silicone G-Green Silicone P-PF Resin E-Epoxy N-No Coating
- (12) Leads Diameter: 5-Φ0.5 6-Φ0.6 8-Φ0.8 1-Φ1.0
- (13) Leads Distance: A-2.5 B-5.0 C-7.5 D-10.0

No.	Part No.	Max. Non Operating Current at 60°C IN (mA)	Trip Current at 25°C IT (mA)	Rated Zero Power Resistance RN (Ω)	Max. Permissible Current at VMax IMax (A)	Dimension (mm)				
						DMax	TMax	d±0.05	F±1	
Max. Operating Vol. VMax = 265VAC; Curie Temp. Tc = 80°C±7°C										
1	WMZ12A-222M002	2	8	2200±20%	0.25	4.5	4.5	0.5	5.0	
2	WMZ12A-152M003	3	12	1500±20%						
3	WMZ12A-102M004	4	16	1000±20%						
4	WMZ12A-681M005	5	20	680±20%						
5	WMZ12A-471M006	6	24	470±20%						
6	WMZ12A-151M025	25	100	150±20%	1.00	8.5	4.5	0.6	5.0	
7	WMZ12A-121M030	30	120	120±20%						
8	WMZ12A-101M035	35	140	100±20%						
9	WMZ12A-82RM040	40	160	82±20%						
10	WMZ12A-68RM045	45	180	68±20%						
11	WMZ12A-25RM065	65	260	25±20%						

No.	Part No.	Max. Non Operating Current at 60°C IN (mA)	Trip Current at 25°C IT (mA)	Rated Zero Power Resistance RN (Ω)	Max. Permissible Current at VMax IMax (A)	Dimension (mm)			
						DMax	TMax	d±0.05	F±1
Max. Operating Vol. VMax = 265VAC; Curie Temp. Tc = 105°C±7°C									
12	WMZ12A-221M020	20	50	220±20%	0.25	4.5	4.5	0.5	5.0
13	WMZ12A-151M025	25	65	150±20%					
14	WMZ12A-101M030	30	75	100±20%					
15	WMZ12A-221M025	25	65	220±20%	0.30	5.5	4.5	0.6	5.0
16	WMZ12A-151M030	30	75	150±20%					
17	WMZ12A-121M035	35	88	120±20%					
18	WMZ12A-101M040	40	100	100±20%					
19	WMZ12A-75RM045	45	115	75±20%					
20	WMZ12A-68RM050	50	125	68±20%					
21	WMZ12A-47RM055	55	138	47±20%	0.40	6.5	4.5	0.6	5.0
22	WMZ12A-221M025	25	65	220±20%					
23	WMZ12A-151M035	35	88	150±20%					
24	WMZ12A-101M045	45	115	100±20%					
25	WMZ12A-68RM055	55	138	68±20%	1.00	8.5	4.5	0.6	5.0
26	WMZ12A-121M050	50	125	120±20%					
27	WMZ12A-101M055	55	138	100±20%					
28	WMZ12A-82RM060	60	150	82±20%					
29	WMZ12A-62RM075	75	188	62±20%					
30	WMZ12A-39RM085	85	213	39±20%					

31	WMZ12A-22RM100	100	250	22±20%	1.60	11.5	4.5	0.6	5.0/7.5
32	WMZ12A-22RM120	120	300	22±20%					
33	WMZ12A-15RM130	130	325	15±20%					
34	WMZ12A-10RM140	140	350	10±20%					
35	WMZ12A-8R2M150	150	375	8.2±20%					
36	WMZ12A-18RM150	150	375	18±20%	2.50	14.5	5.0	0.6	5.0/7.5
37	WMZ12A-15RM160	160	400	15±20%					
38	WMZ12A-12RM170	170	425	12±20%					
39	WMZ12A-10RM180	180	450	10±20%					
40	WMZ12A-6R8M200	200	500	6.8±20%					
Max. Operating Vol. VMax = 265VAC; Curie Temp. Tc = 120°C±7°C									
41	WMZ12A-101M040	40	80	100±20%	0.30	5.5	4.5	0.6	5.0
42	WMZ12A-75RM045	45	90	75±20%					
43	WMZ12A-62RM050	50	100	62±20%					
44	WMZ12A-151M040	40	80	150±20%	0.40	6.5	5.0	0.6	5.0
45	WMZ12A-101M050	50	100	100±20%					
46	WMZ12A-68RM060	60	120	68±20%					
47	WMZ12A-47RM090	90	180	47±20%	1.60	11.5	5.0	0.6	5.0/7.5
48	WMZ12A-39RM100	100	200	39±20%					
49	WMZ12A-33RM110	110	220	33±20%					
50	WMZ12A-22RM130	130	260	22±20%					
51	WMZ12A-15RM145	145	290	15±20%					
52	WMZ12A-10RM160	160	320	10±20%					

53	WMZ12A-8R2M170	170	340	8.2±20%	2.50	14.5	5.0	0.6	5.0/7.5
54	WMZ12A-22RM180	180	360	22±20%					
55	WMZ12A-15RM200	200	400	15±20%					
56	WMZ12A-10RM220	220	440	10±20%					
57	WMZ12A-8R2M240	240	480	8.2±20%					
58	WMZ12A-6R8M260	260	520	6.8±20%					

No	Part No.	Rated Zero Power Resistance RN@25°C	Max. Non Operating Current IN (mA)		Trip Current at 25°C IT (mA)	Tripping time at max current T(Set)	Max. Current IMax(A)	Max. Voltage VMax(V)	Dimension (mm)			
			@25°C	@40°C					DMax	TMax	d±0.05	F±1
1	WMZ12A-85LB10RM150	10Ω±20%	150	120	300	0.55	3.0	250	10.0	5.0	0.6	5
2	WMZ12A-85B12RM060	12Ω±20%	90	60	160	0.2	2.0	250	9	5.0	0.6	5
3	WMZ12A-105B18RM110	18Ω±20%	135	110	270	0.18	3.0	250	8.5	5.0	0.6	5
4	*WMZ12A-70LB20RM070	20Ω±20%	110	70	200	0.3	3.0	250	10.5	5.0	0.6	5
5	WMZ12A-110B35RM070	35Ω±20%	90	70	230	0.45	3.0	250	9	5.0	0.6	5
6	*WMZ12A-108B35RM070	35Ω±20%	90	70	230	0.45	4.6	245	9	5.0	0.6	5
7	*WMZ12A-85LB50RM060	50Ω±20%	75	60	150	0.2	3.0	250	9.5	5.0	0.6	5
8	*WMZ12A-85LB50RM060	50Ω±20%	75	60	150	0.2	3.0	380	9.5	5.0	0.6	5
9	*WMZ12A-85LB55RM060	55Ω±20%	70	60	150	0.2	3.0	250	9.5	5.0	0.6	5

10	*WMZ12A- 85LB55RM06 0	55Ω±20%	70	60	150	0.2	3.0	650	10.0	5.0	0.6	5
11	*WMZ12A- 110B35RM07 0	35Ω±20%	100	70	230	0.2	3.0	245	7.2	3.5	0.5	4.5
12	WMZ12A- 110B50RM09 0	50Ω±20%	90	60	180	0.15	4.5	250	7.2	3.5	0.5	4.5
13	WMZ12A- 110H35RM06 0	35Ω±20%	90	60	180	0.2	2.5	230	6.3	3.5	0.5	4.5
14	*WMZ12A- 110LB50RM0 60	50Ω±20%	90	60	190	0.2	2.5	250	8.4	3.5	0.6	5.5
15	*WMZ12A- 115B25RM08 5	25Ω±20%	130	85	260	0.3	3.0	250	7.2	3.5	0.5	4.5
16	*WMZ12A- 110B35RM07 0	35Ω±20%	110	70	230	0.2	3.0	250	7.2	2.2	/	/
17	*WMZ12A- 85C10RM100	10Ω±20%	130	100	300	0.2	3.0	250	L*W*H=8.7*5.3*1.9			