

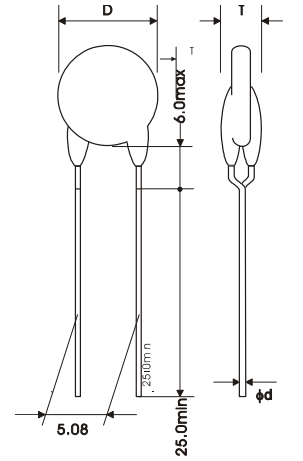
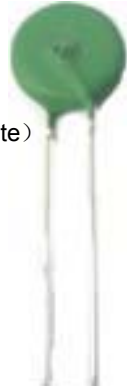
Characteristics

1. WMZ12A series PTC thermistor is pins resin coated parts.
2. Suitable to operate continuously in 250/265V_{AC} (high resistance state)
3. Has complete parts
4. Long stability.
5. Do not need to be reset after protection.
6. No contact point, no noise.

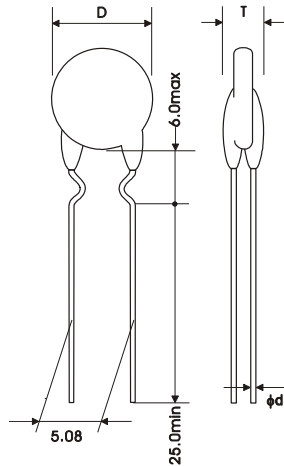
Application

1. Switch power supply
2. Transformer, adapter.
3. Electronic coil, control panel
4. Home electric appliance (air-conditioner, microwave oven, etc.)
5. Electronic circuit.

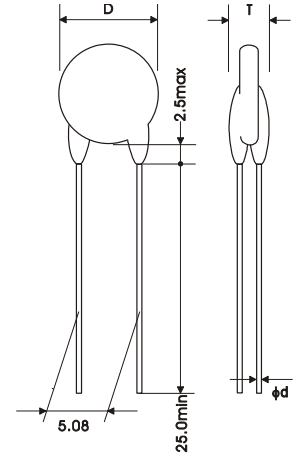
Dimension (Unit: mm)



Side kinked pins

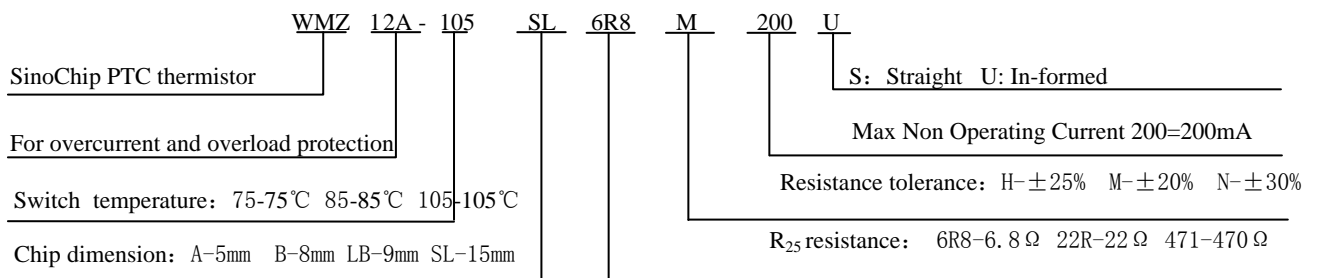


Inner kinked pins



Straight pins

Part Number Explanation



Code	Dmax	Tmax	F±1	d±0.05
S	4.5	4.5	5	0.5
L	5.5	4.5	5	0.6
A	6.5	4.5	5	0.6
B	8	4.5	5	0.6
LB	9	4.5	5	0.6
M	12	5	5	0.6
SL	15	5	7.5	0.8
ML	18	5	7.5	0.8
LL	24	5	7.5	0.8

Data Sheet

Part number	MAX Non Operating Current at 25°C 1h (mA)	Trip Current at 25°C It (mA)	Resistance R25 (Ω) ±20%	Max. current I _{max} (A)	Dimension (mm)			
					Dmax	Tmax	d±0.05	F±1
WMZ12A-70LB15RM080	80mA at 40°C±2°C	160	15±20%	1	8	5	0.6	5
WMZ12A-70LB12RM090	90mA at 40°C±2°C	180	12±20%					
WMZ12A-70LB10RM100	100mA at 40°C±2°C	200	10±20%					
WMZ12A-75S222RM005	5	10	2200±20%	0.2	4	4.5	0.5	5
WMZ12A-75S152RM006	6	12	1500±20%					
WMZ12A-75S102RM008	8	16	1000±20%					
WMZ12A-75S681RM010	10	20	680±20%					
WMZ12A-75S471RM012	12	24	470±20%					
WMZ12A-75S331RM015	15	30	330±20%					
WMZ12A-75S221RM018	18	36	220±20%	0.3	4	4.5	0.5	5
WMZ12A-75S151RM020	20	40	150±20%					
WMZ12A-75S101RM025	25	50	100±20%					
WMZ12A-75A471RM014	14	28	470±20%	0.4	6.5	4.5	0.6	5
WMZ12A-75A331RM017	17	34	330±20%					
WMZ12A-75A221RM020	20	40	220±20%	0.5	6.5	4.5	0.6	5
WMZ12A-75A151RM024	24	48	150±20%					
WMZ12A-75A121RM026	26	52	121 ±20%					
WMZ12A-75A101RM028	28	56	100±20%	0.6	6.5	4.5	0.6	5
WMZ12A-75A68RM032	32	64	68±20%					
WMZ12A-75A47RM040	40	80	47±20%	0.8	8	4.5	0.6	5
WMZ12A-75B331RM020	20	40	330±20%					
WMZ12A-75B221RM025	25	50	220±20%					
WMZ12A-75B151RM030	30	60	150±20%	1	8	4.5	0.6	5
WMZ12A-75B101RM035	35	70	100±20%					
WMZ12A-75B82RM040	40	80	82±20%	1	9	4.5	0.6	5
WMZ12A-75LB82RM035	35mA at 60°C±2°C	90mA at 25°C±2°C	82±20%					
WMZ12A-75LB68RM040	40mA at 60°C±2°C	100mA at 25°C±2°C	68±20%					
WMZ12A-75LB47RM045	45mA at 60°C±2°C	110mA at 25°C±2°C	47±20%	1.2	9	4.5	0.6	5
WMZ12A-75LB33RM050	50mA at 60°C±2°C	125mA at 25°C±2°C	33±20%					
WMZ12A-75LB22RM060	60mA at 60°C±2°C	150mA at 25°C±2°C	22±20%	1.5	9	4.5	0.6	5
WMZ12A-75LB15RM070	70mA at 60°C±2°C	175mA at 25°C±2°C	15±20%					

WMZ12A-75LB10RM080	80mA at 60°C±2°C	200mA at 25°C±2°C	10±20%						
WMZ12A-80S681RM005*	5mA at 60°C±2°C	20mA at 25°C±2°C	680±20%	0.2	4.5	5	0.6	5	
WMZ12A-80S471RM006*	6mA at 60°C±2°C	24mA at 25°C±2°C	470±20%						
WMZ12A-80LB50RM060*	45mA at 60°C±2°C	120mA at 25°C±2°C	50±20%	1.2	9	5	0.6	5	
WMZ12A-85A102RM0045*	4.5mA at 60°C±2°C	19mA at 25°C±2°C	1000±20%	0.4	6.5	5	0.6	5	
WMZ12A-85A681RM007*	7mA at 60°C±2°C	30mA at 25°C±2°C	680±20%						
WMZ12A-85A50RM030*	30mA at 60°C±2°C	60mA at 25°C±2°C	50±20%	0.8	8	4.5	0.6	5	
WMZ12A-85A70RM025*	25mA at 60°C±2°C	90mA at 25°C±2°C	70±20%						
WMZ12A-85B151RM35	35	70	150±20%	0.8	8	4.5	0.6	5	
WMZ12A-85B121RM040	40	80	120±20%						
WMZ12A-85B101RM045	45	90	100±20%	0.9	8	4.5	0.6	5	
WMZ12A-85B82RM050	50	100	82±20%						
WMZ12A-85B68RM045*	45mA at 60°C±2°C	90mA at 25°C±2°C	68±20%	1.2	9	4.5	0.6	5	
WMZ12A-85B47RM055	55mA at 60°C±2°C	110mA at 25°C±2°C	47±20%						
WMZ12A-85B25RM065*	65mA at 60°C±2°C	130mA at 25°C±2°C	25±20%	1.2	9	4.5	0.6	5	
WMZ12A-85LB68RM060	60	120	68±20%						
WMZ12A-85LB47RM065	65	130	47±20%	1.2	9	4.5	0.6	5	
WMZ12A-85LB39RM070	70	140	39±20%						
WMZ12A-85LB33RM075	75	150	33±20%	1.5	9	4.5	0.6	5	
WMZ12A-85LB25RM080	80	160	25±20%						
WMZ12A-85LB22RM085	85	170	22±20%	1.5	9	4.5	0.6	5	
WMZ12A-85LB18RM090	90	180	18±20%						
WMZ12A-85LB15RM098	98	196	15±20%	1.5	9	4.5	0.6	5	
WMZ12A-85LB12RM105	105	210	12±20%						
WMZ12A-85LB10RM115	115	230	10±20%	1.2	8.5	5	0.6	5	
WMZ12A-95LB22RM100	100	200	22±20%						
WMZ12A-100B131RM045*	45mA at 60°C±2°C	130mA at 25°C±2°C	130±20%	1.2	8.5	5	0.6	5	
WMZ12A-100B70RM050*	50mA at 60°C±2°C	145mA at 25°C±2°C	70±20%						
WMZ12A-100B60RM055*	55mA at 60°C±2°C	160mA at 25°C±2°C	60±20%	2	8.5	5	0.6	5	
WMZ12A-100B50RM060*	60mA at 60°C±2°C	180mA at 25°C±2°C	50±20%						
WMZ12A-100B22RM090*	90mA at 60°C±2°C	260mA at 25°C±2°C	22±20%	0.25	4.5	4.5	0.5	5	
WMZ12A-105S102RM015	15mA at 60°C±2°C	35mA at 25°C±2°C	1000±20%						
WMZ12A-105S221RM020	20mA at 60°C±2°C	50mA at 25°C±2°C	220±20%	0.25	4.5	4.5	0.5	5	
WMZ12A-105S151RM025	25mA at 60°C±2°C	65mA at 25°C±2°C	150±20%						
WMZ12A-105S101RM030	30mA at 60°C±2°C	75mA at 25°C±2°C	100±20%	0.3	5.5	4.5	0.5	5	
WMZ12A-105L221RM025	25mA at 60°C±2°C	65mA at 25°C±2°C	220±20%						
WMZ12A-105L151RM030	30mA at 60°C±2°C	75mA at 25°C±2°C	150±20%	0.3	5.5	4.5	0.5	5	
WMZ12A-105L121RM35	35mA at 60°C±2°C	88mA at 25°C±2°C	120±20%						
WMZ12A-105L101RM40	40mA at 60°C±2°C	100mA at 25°C±2°C	100±20%	0.3	5.5	4.5	0.5	5	
WMZ12A-105L75RM45	45mA at 60°C±2°C	100mA at 25°C±2°C	75±20%						
WMZ12A-105L68RM50	50mA at 60°C±2°C	125mA at 25°C±2°C	68±20%	0.4	5.5	4.5	0.5	5	
WMZ12A-105L47RM55	55mA at 60°C±2°C	138mA at 25°C±2°C	47±20%						
WMZ12A-105A151RM035	35mA at 60°C±2°C	88mA at 25°C±2°C	150±20%	0.4	5.5	4.5	0.5	5	
WMZ12A-105A101RM45	45mA at 60°C±2°C	115mA at 25°C±2°C	100±20%						
WMZ12A-105A68RM50	55mA at 60°C±2°C	138mA at 25°C±2°C	68±20%	0.8	8	4.5	0.6	5	
WMZ12A-105B151M045	45mA at 60°C±2°C	113mA at 25°C±2°C	150±20%						

WMZ12A-105B121M050	50mA at 60°C±2°C	125mA at 25°C±2°C	120±20%					
WMZ12A-105B101M055	55mA at 60°C±2°C	138mA at 25°C±2°C	100±20%					
WMZ12A-105B82RM060	60mA at 60°C±2°C	150mA at 25°C±2°C	82±20%	0.9				
WMZ12A-105B62RM075	75mA at 60°C±2°C	188mA at 25°C±2°C	62±20%					
WMZ12A-105LB39RM085	85mA at 60°C±2°C	213mA at 25°C±2°C	39±20%	1.2	9	4.5	0.6	5
WMZ12A-105LB22RM100	100mA at 60°C±2°C	250mA at 25°C±2°C	22±20%					
WMZ12A-105LB15RM110	110mA at 60°C±2°C	275mA at 25°C±2°C	15±20%					
WMZ12A-105LB10RM120	120mA at 60°C±2°C	300mA at 25°C±2°C	22±20%	1.6	12	4.5	0.6	5
WMZ12A-105M22RM120	120mA at 60°C±2°C	300mA at 25°C±2°C	22±20%					
WMZ12A-105M15RM130	130mA at 60°C±2°C	325mA at 25°C±2°C	15±20%					
WMZ12A-105M10RM140	140mA at 60°C±2°C	350mA at 25°C±2°C	10±20%	2.5	15	5	0.8	7.5
WMZ12A-105M8R2M150	150mA at 60°C±2°C	375mA at 25°C±2°C	8.2±20%					
WMZ12A-105SL18RM150	150mA at 60°C±2°C	375mA at 25°C±2°C	18±20%					
WMZ12A-105SL15RM160	160mA at 60°C±2°C	400mA at 25°C±2°C	15±20%					
WMZ12A-105SL12RM170	170mA at 60°C±2°C	425mA at 25°C±2°C	12±20%					
WMZ12A-105SL10RM180	180mA at 60°C±2°C	450mA at 25°C±2°C	10±20%	0.3	5.5	4.5	0.6	5
WMZ12A-105SL8R2M190	190mA at 60°C±2°C	480mA at 25°C±2°C	8.2±20%					
WMZ12A-105SL6R8M200	200mA at 60°C±2°C	500mA at 25°C±2°C	6.8±20%					
WMZ12A-120L101RM040	40mA at 60°C±2°C	80mA at 25°C±2°C	100±20%	0.4	6.5	5	0.6	5
WMZ12A-120L75RM045	45mA at 60°C±2°C	90mA at 25°C±2°C	75±20%					
WMZ12A-120L62RM050	50mA at 60°C±2°C	100mA at 25°C±2°C	62±20%					
WMZ12A-120A102RM015	15mA at 60°C±2°C	40mA at 25°C±2°C	100±20%					
WMZ12A-120A301RM020	20mA at 60°C±2°C	50mA at 25°C±2°C	300±20%					
WMZ12A-120A151RM040	40mA at 60°C±2°C	80mA at 60°C±2°C	151±20%					
WMZ12A-120A101RM050	50mA at 60°C±2°C	100mA at 60°C±2°C	100±20%	0.9	8	5	0.6	5
WMZ12A-120A68RM060	60mA at 60°C±2°C	120mA at 25°C±2°C	68±20%					
WMZ12A-120A47RM065	65mA at 60°C±2°C	130mA at 25°C±2°C	47±20%					
WMZ12A-120B251RM030	30mA at 60°C±2°C	75mA at 25°C±2°C	250±20%	1.2	9	5	0.6	5
WMZ12A-120B121RM045	45mA at 60°C±2°C	110mA at 25°C±2°C	121±20%					
WMZ12A-120B101RM050	50mA at 60°C±2°C	125mA at 25°C±2°C	100±20%					
WMZ12A-120B68RM070	70mA at 60°C±2°C	180mA at 25°C±2°C	68±20%	1.2	9	5	0.6	5
WMZ12A-120LB25RM110	110mA at 60°C±2°C	270mA at 25°C±2°C	25±20%					
WMZ12A-120LB39RM100	100mA at 60°C±2°C	240mA at 25°C±2°C	39±20%	1.6	12	5	0.6	5
WMZ12A-120M181RM040	40mA at 60°C±2°C	80mA at 25°C±2°C	180±20%					
WMZ12A-120M101RM060	60mA at 60°C±2°C	120mA at 25°C±2°C	100±20%					
WMZ12A-120M82RM065	65mA at 60°C±2°C	130mA at 25°C±2°C	82±20%					
WMZ12A-120M60RM070	70mA at 60°C±2°C	140mA at 25°C±2°C	60±20%					
WMZ12A-120M55RM080	80mA at 60°C±2°C	160mA at 25°C±2°C	55±20%					
WMZ12A-120M47RM090	90mA at 60°C±2°C	180mA at 25°C±2°C	47±20%					
WMZ12A-120M39RM100	100mA at 60°C±2°C	200mA at 25°C±2°C	39±20%					
WMZ12A-120M33RM110	110mA at 60°C±2°C	220mA at 25°C±2°C	33±20%					
WMZ12A-120M22RM130	130mA at 60°C±2°C	260mA at 25°C±2°C	22±20%					
WMZ12A-120M15RM150	145mA at 60°C±2°C	290mA at 25°C±2°C	15±20%					
WMZ12A-120M10RM170	160mA at 60°C±2°C	320mA at 25°C±2°C	10±20%					
WMZ12A-120M8R2M170	170mA at 60°C±2°C	340mA at 25°C±2°C	8.2±20%					
WMZ12A-120SL45RM120	120mA at 60°C±2°C	300mA at 25°C±2°C	45±20%					

WMZ12A-120SL22RM180	180mA at 60°C±2°C	360mA at 25°C±2°C	22±20%					
WMZ12A-120SL15RM200	200mA at 60°C±2°C	400mA at 25°C±2°C	15±20%					
WMZ12A-120SL12RM210	210mA at 60°C±2°C	420mA at 25°C±2°C	12±20%					
WMZ12A-120SL10RM220	220mA at 60°C±2°C	440mA at 25°C±2°C	10±20%					
WMZ12A-120SL8R2M240	240mA at 60°C±2°C	480mA at 25°C±2°C	8.2±20%					
WMZ12A-120SL6R8M260	260mA at 60°C±2°C	520mA at 25°C±2°C	6.8±20%					
WMZ12A-120GL6R0M300	300mA at 60°C±2°C	780mA at 25°C±2°C	6.0±20%	3.1	17.5	5	0.6	5
WMZ12A-120GL7R0M280	280mA at 60°C±2°C	700mA at 25°C±2°C	7.0±20%					
WMZ12A-120LL12RM300	300	600	12±20%	3.5				
WMZ12A-120LL10RM330	330	660	10±20%					
WMZ12A-120LL8R2M360	360	720	8.2±20%	4				
WMZ12A-120LL6R8M400	400	800	6.8±20%					
WMZ12A-120LL4R7M450	450	900	4.7±20%	4.5	24	5	0.8	7.5
WMZ12A-120LL3R3M500	500	1000	3.3±20%					
WMZ12A-120LL2R2M550	550	1100	2.2±20%	5				
WMZ12A-120LL1R5M600	600	1200	1.5±20%					

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.