



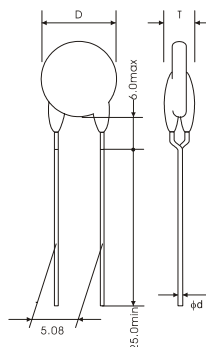
Characteristics

1. MZ12 series PTC thermistor is pin resin coated parts.
2. Suitable to operate continuously in 140V_{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. Motor
2. Transformer, adapter.
3. Switch power supply
4. Control panel
5. Electronic circuits.



MZ12 series

Dimension (Unit: mm)

Part number explanation

MZ	1	2 -	05	P	25R	H	140	
PTC thermistor								Max operating voltage: 140~140V
For overload and overcurrent protection								Resistance tolerance: H-±25% M-±20%
Voltage category: 1-550/420/265/250V								R ₂₅ resistance: 4R7-4.7Ω 47R-47Ω 471-470Ω
2-140V、3-30/60V、5-15/18V								Switch temperature: P-120℃ M-80℃ N-100℃ R-140
Chip dimension : 08-8mm 10-10mm								

Data Sheet

Part Number	Resistance R ₂₅ (Ω) ±25%	Non-trip current Int (mA)		Trip current @25℃ I _t (mA)	Max. operating voltage V _{max} (V)	Max. current I _{max} (A)	Switch temperature T _c (℃)	Dimension (mm)		
		@25℃	@60℃					D _{max}	T _{max}	Φd
MZ12-20P2R6H140	2.6	650	500	1300	140	4.3	120 (P)	22.0	5.0	0.6
*MZ12-16P4R7H140	4.7	425	330	850	140	3.1		17.5	5.0	0.6
*MZ12-16P5R6H140	5.6	400	310	800	140	3.1		17.5	5.0	0.6
MZ12-13P6R8H140	6.8	325	250	650	140	1.8		14.0	5.0	0.6
*MZ12-12P5R6H140	5.6	325	250	650	140	1.8		13.5	5.0	0.6
*MZ12-12P6R8H140	6.8	300	230	600	140	1.8		13.5	5.0	0.6
*MZ12-10P10RH140	10	225	170	450	140	1.2		11.0	5.0	0.6
*MZ12-10P6R8H140	6.8	275	200	550	140	1.2		11.0	5.0	0.6
*MZ12-08P22RH140	22	135	110	270	140	0.8		9.0	5.0	0.6
MZ12-06P25RH140	25	125	90	250	140	0.5		7.0	5.0	0.6
*MZ12-05P33RH140	33	90	70	175	140	0.3	140 (R)	6.5	5.0	0.6
MZ12-16R2RIH140	2.1	710	570	1420	140	3.1		17.5	5.0	0.6



MZ12-13R3R8H140	3.8	500	400	1000	140	1.8	140 (R)	14.0	5.0	0.6
MZ12-10R15RH140	15	210	170	420	140	1.2		11.0	5.0	0.6
MZ12-10R6R7H140	6.7	300	230	600	140	1.2		11.0	5.0	0.6
MZ12-10R10RH140	10	250	200	500	140	1.2		11.0	5.0	0.6
MZ12-08R12RH140	12	200	160	400	140	0.6		9.0	5.0	0.6

Notes:

1. Part number with * indicates that the part has been UL listed (UL No. E243011).
2. R₂₅ resistance tolerance can be selected upon customer's requirement.
3. Pin kinked form can be selected.
4. Packing can be made upon customer's requirement.