

**Features**

1. MF74 series in the form of radial resin coated form.
2. Small dimension, powerful, strong in inrush current limiting.
3. Fast feedback.
4. large material constant, lower residue resistance.
5. Long life, high reliability.
6. Complete part, wide operation range.
7. Operating temperature -55~+200 °C



**Application**

1. Conversion power, switch mode power supply, UPS power.
2. Energy saving lights, ballast.
3. Electronic circuit, power supply circuit.

**Selection Principle**

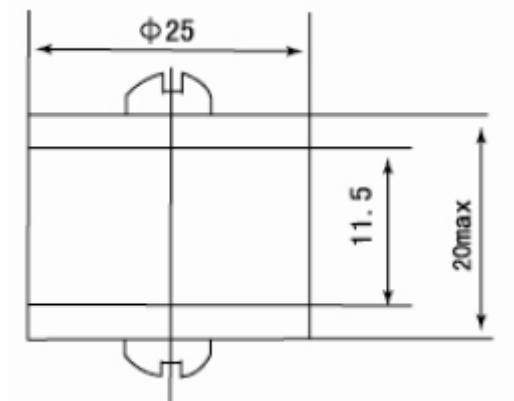
1. Maximum operating current > Actual operating current in the power loop
2. Rated zero power resistance at 25C

$R \geq \frac{\sqrt{2}E}{I_m}$  of which, E: loop voltage,  $I_m$ : Surge current

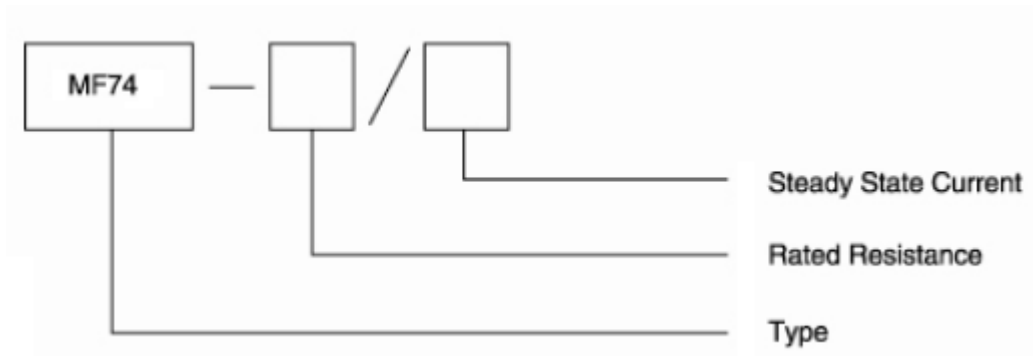
For conversion power, reversion power, switch power, UPS power,  $I_m=100$  times operating current

For filament, heater,  $I_m =30$  times operating current

**Outlook and Dimension (Unit: mm)**



**Marking of Part Number**



Part Number	Resistance @25°C R <sub>25</sub> (Ω)	Max. Stable Current (A)	Approx. Resistance at max. current (Ω)	Dissipation Factor (mW/°C)	Thermal Time Constant (S)	Operating Temperature (°C)
MF74-0.5/40	0.5	40	0.0875	≥118	≤340	-55~+200
MF74-0.7/36	0.7	36	0.0110			
MF74-1/32	1	32	0.0137			
MF74-1.3/27	1.3	27	0.0192			
MF74-1.5/27	1.5	27	0.0206			
MF74-2/25	2	25	0.0240	≥120	≤350	
MF74-2.5/25	2.5	25	0.0252			
MF74-3/23	3	23	0.0293	≥123	≤350	
MF74-4/21	4	21	0.0340			
MF74-5/21	5	21	0.0364			
MF74-6/18	6	18	0.0494			
MF74-8/18	8	18	0.0525			
MF74-10/18	10	18	0.0555	≥125	≤360	
MF74-12/15	12	15	0.0622			
MF74-16/15	16	15	0.0688			
MF74-20/15	20	15	0.0754			
MF74-25/15	25	15	0.0857			
MF74-30/12	30	12	0.1170			