

## GENERAL TECHNICAL CHARACTERISTICS

- Dielectric : Polypropylene film
- Construction : Dry construction, filled by solid resin  
Non-inductive type
- Case : Dry construction
- Leads: Tinneaded insert M6 or M8 fillde with resin

## ELECTRICAL CHARACTERISTICS

- Working teGperature : - 40 to + 85 °C
- Capacitance : 0.04 to 6μF
- Rated Voltage : 1200~5000Vdc
- Tolerance : ± 5%, ± 10%
- Dissipation factor: Geasured at 1000±20 Hz AND 25±5°C.  
When  $C_r \leq 1.0\mu F$ ,  $4 \times 10^{-4}$ ;  
When  $C_r > 1.0\mu F$ ,  $6 \times 10^{-4}$

Life expectancy: 10,000 hours at  $U_n$  and 70°C  
(Hotspot temperature)



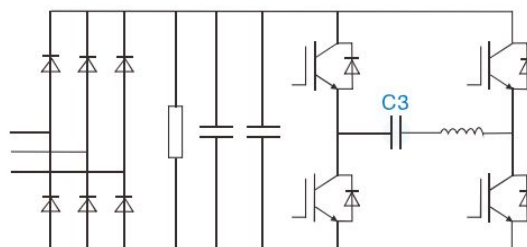
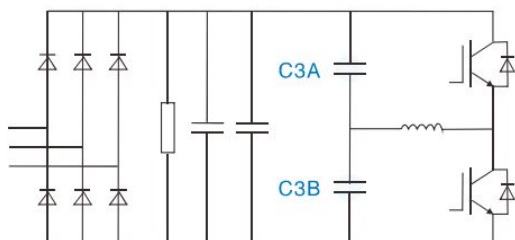
## TEST GETHODS AND PERFORGANCES

- Dielectric strength: 1.5Ur (DC) applied for 10s at 25±5°C  
(1 Gminute for type test)

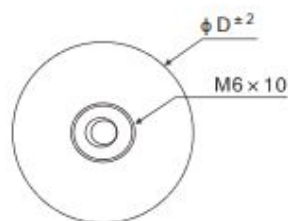
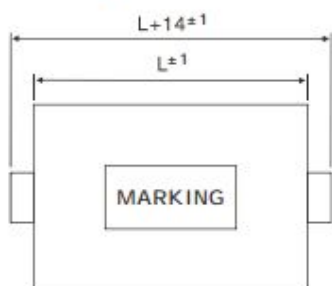
Test voltage terminal to case :3000Vac,(10s 50Hz 20± 5°C)

- Insulation resistance : 5000s but need not exceed 30GΩ  
(typical value), after 1 Gminute of electrification at 100Vdc (25±5°C)

应用电路图:

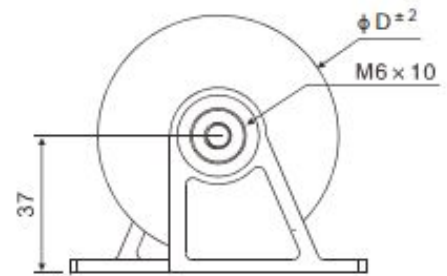
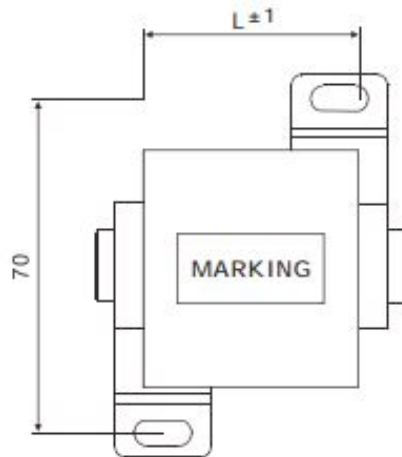


## 外型及尺寸/Outline drawing

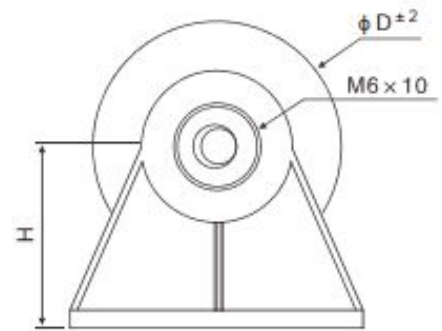
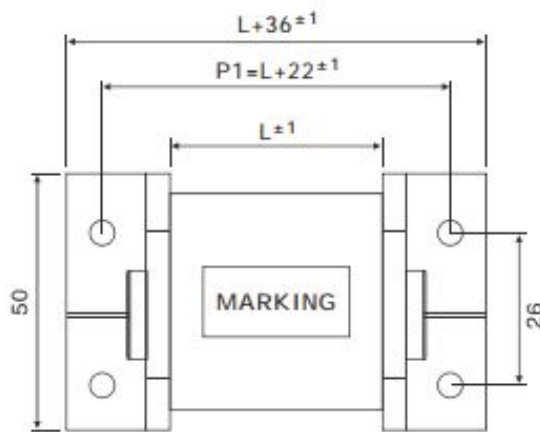


Outline drawing A...

## 外型及尺寸/Outline drawing



Outline drawing B...



Outline drawing C...



## Electrical specifications, ordering codes

| Part Number      | CAP<br>μF | Dimension (mm) |    |             |        | du/dt<br>v/μs | I <sub>peak</sub><br>A | ESR@<br>1.0kHz | I <sub>rms</sub> @25C<br>@10kHz |
|------------------|-----------|----------------|----|-------------|--------|---------------|------------------------|----------------|---------------------------------|
|                  |           | L              | D  | T           | Output |               |                        |                |                                 |
|                  |           | Un1200Vdc      |    | Urms 500Vac |        |               |                        |                |                                 |
| DTR1200K1.0-*-*# | 1         | 37             | 35 | 5.0         | M6     | 1100          | 1100                   | 2.3            | 30                              |

|                        |      |    |    |     |    |      |      |     |    |
|------------------------|------|----|----|-----|----|------|------|-----|----|
| DTR1200K1.5-*-*#       | 1.5  | 37 | 42 | 5.0 | M6 | 1100 | 1650 | 2.2 | 35 |
| DTR1200K2.0-*-*#       | 2    | 37 | 48 | 5.0 | M6 | 900  | 1800 | 2.1 | 40 |
| DTR1200K2.5-*-*#       | 2.2  | 37 | 50 | 5.0 | M6 | 900  | 1980 | 2.1 | 43 |
| DTR1200K3.0-*-*#       | 3    | 37 | 58 | 5.0 | M6 | 800  | 2400 | 1.8 | 47 |
| DTR1200K3.3-*-*#       | 3.3  | 37 | 61 | 5.0 | M6 | 800  | 2640 | 1.7 | 50 |
| DTR1200K4.0-*-*#       | 4    | 37 | 67 | 5.0 | M6 | 600  | 2400 | 1.6 | 56 |
| Un1200Vdc Urms 500Vac  |      |    |    |     |    |      |      |     |    |
| DTR1200K3.0-*-*#       | 4.7  | 37 | 73 | 5.0 | M6 | 600  | 2820 | 1.5 | 62 |
| DTR1200K3.3-*-*#       | 5    | 37 | 76 | 5.5 | M6 | 600  | 3000 | 1.4 | 65 |
| DTR1200K4.0-*-*#       | 6    | 37 | 82 | 5.5 | M6 | 600  | 3600 | 1.2 | 75 |
| Un2000Vdc Urms 750Vac  |      |    |    |     |    |      |      |     |    |
| DTR2000K0.22-*-*#      | 0.22 | 37 | 38 | 5.0 | M6 | 1500 | 330  | 2.8 | 27 |
| DTR2000K0.3-*-*#       | 0.3  | 37 | 38 | 5.0 | M6 | 1500 | 450  | 2.7 | 30 |
| DTR2000K0.33-*-*#      | 0.33 | 37 | 38 | 5.0 | M6 | 1500 | 495  | 2.7 | 32 |
| DTR2000K0.4-*-*#       | 0.4  | 37 | 43 | 5.0 | M6 | 1500 | 600  | 2.7 | 36 |
| DTR2000K0.44-*-*#      | 0.44 | 37 | 45 | 5.0 | M6 | 1500 | 660  | 2.6 | 38 |
| DTR2000K0.47-*-*#      | 0.47 | 37 | 46 | 5.0 | M6 | 1500 | 705  | 2.6 | 40 |
| DTR2000K0.60-*-*#      | 0.6  | 37 | 51 | 5.0 | M6 | 1500 | 900  | 2.5 | 45 |
| DTR2000K0.7-*-*#       | 0.7  | 37 | 55 | 5.0 | M6 | 1500 | 1050 | 2.4 | 48 |
| DTR2000K0.9-*-*#       | 0.9  | 37 | 62 | 5.0 | M6 | 1100 | 990  | 2.3 | 52 |
| DTR2000K1.0-*-*#       | 1.0  | 37 | 65 | 5.0 | M6 | 1100 | 1100 | 2.2 | 55 |
| Un3000Vdc Urms 1200Vac |      |    |    |     |    |      |      |     |    |
| DTR3000K0.2-*-*#       | 0.2  | 40 | 43 | 5.0 | M6 | 1800 | 360  | 2.8 | 32 |
| DTR3000K0.3-*-*#       | 0.3  | 40 | 52 | 5.0 | M6 | 1800 | 540  | 2.6 | 38 |
| DTR3000K0.4-*-*#       | 0.4  | 40 | 60 | 5.0 | M6 | 1800 | 720  | 2.5 | 45 |
| DTR3000K0.44-*-*#      | 0.44 | 40 | 62 | 5.0 | M6 | 1800 | 792  | 2.5 | 48 |
| DTR3000K0.47-*-*#      | 0.47 | 40 | 65 | 5.0 | M6 | 1500 | 705  | 2.4 | 50 |
| DTR3000K0.6-*-*#       | 0.6  | 40 | 73 | 5.0 | M6 | 1500 | 900  | 2.2 | 58 |
| DTR3000K0.65-*-*#      | 0.65 | 40 | 76 | 5.5 | M6 | 1500 | 975  | 2.1 | 60 |
| DTR3000K0.7-*-*#       | 0.7  | 40 | 79 | 5.5 | M6 | 1500 | 1050 | 2   | 65 |
| Un5000Vdc Urms 2000Vac |      |    |    |     |    |      |      |     |    |
| DTR5000K0.04-*-*#      | 0.04 | 54 | 58 | 5.0 | M6 | 3000 | 120  | 2.2 | 35 |
| DTR5000K0.06-*-*#      | 0.06 | 54 | 66 | 5.0 | M6 | 3000 | 180  | 2.2 | 45 |
| DTR5000K0.08-*-*#      | 0.08 | 54 | 58 | 5.0 | M6 | 3000 | 240  | 2.2 | 45 |
| DTR5000K0.12-*-*#      | 0.12 | 54 | 70 | 5.0 | M6 | 3000 | 360  | 2   | 50 |
| DTR5000K0.14-*-*#      | 0.14 | 54 | 76 | 5.5 | M6 | 3000 | 420  | 1.8 | 58 |
| DTR5000K0.2-*-*#       | 0.2  | 54 | 90 | 5.5 | M8 | 3000 | 600  | 1.6 | 65 |
| DTR5000K0.22-*-*#      | 0.22 | 54 | 94 | 5.5 | M8 | 3000 | 660  | 1.5 | 70 |
| Un6000Vdc Urms 3000Vac |      |    |    |     |    |      |      |     |    |
| DTR6000K0.01-*-*#      | 0.01 | 55 | 30 | 5.0 | M6 | 3500 | 35   | 2.0 | 30 |
| DTR6000K0.10-*-*#      | 0.1  | 55 | 38 | 5.0 | M6 | 3500 | 350  | 2.0 | 40 |
| DTR6000K0.22-*-*#      | 0.22 | 55 | 58 | 5.0 | M6 | 3500 | 770  | 2.0 | 50 |
| DTR6000K0.33-*-*#      | 0.33 | 55 | 63 | 5.0 | M6 | 3500 | 1155 | 2.0 | 60 |

|                   |      |    |    |     |    |      |      |     |    |
|-------------------|------|----|----|-----|----|------|------|-----|----|
| DTR6000K0.40-*-*# | 0.40 | 55 | 70 | 5.0 | M6 | 3500 | 1400 | 2.0 | 80 |
| DTR6000K0.44-*-*# | 0.44 | 55 | 72 | 5.0 | M6 | 3500 | 1540 | 2.0 | 80 |
| DTR6000K0.47-*-*# | 0.47 | 55 | 74 | 5.0 | M6 | 3500 | 1645 | 1.8 | 80 |
| DTR6000K0.50-*-*# | 0.50 | 55 | 77 | 5.0 | M6 | 3500 | 1750 | 1.8 | 80 |
| DTR6000K0.60-*-*# | 0.60 | 55 | 82 | 5.0 | M6 | 3500 | 2100 | 1.8 | 80 |
| DTR6000K0.68-*-*# | 0.68 | 55 | 88 | 5.0 | M6 | 3500 | 2380 | 1.6 | 80 |
| DTR6000K0.70-*-*# | 0.70 | 55 | 90 | 5.0 | M6 | 3500 | 2450 | 1.6 | 80 |

How to Order:

DTR- 1200 - 334 K M6

