

## 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)



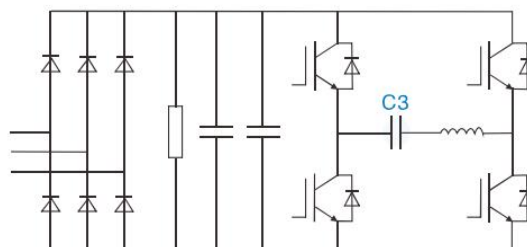
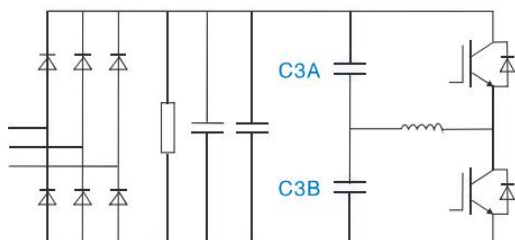
## TEST GETHODS AND PERFORGANCES

Dielectric strength: 1.5 $U_n$  (DC) applied for 10s at 25±5°C  
 (1 minute for type test)

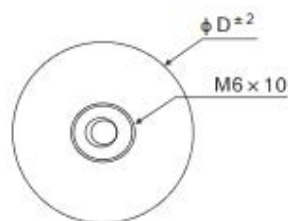
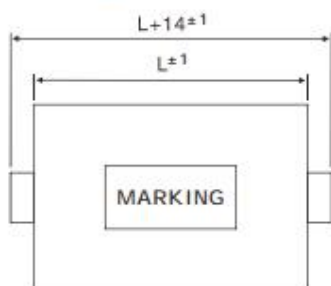
Test voltage terminal to case :3000Vac,(10s 50Hz 20± 5°C)

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

应用电路图:

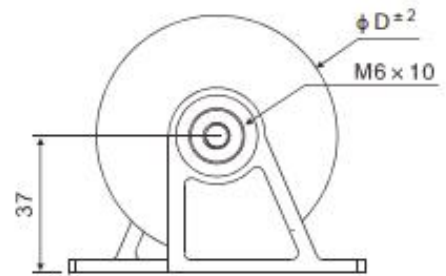
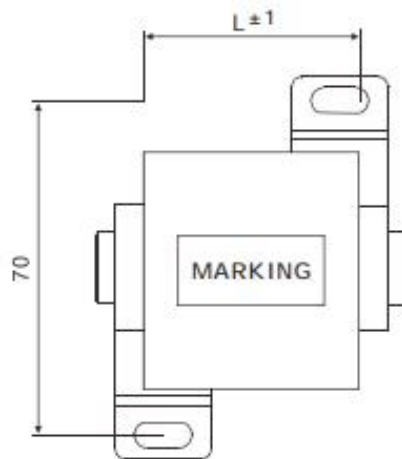


## 外型及尺寸/Outline drawing

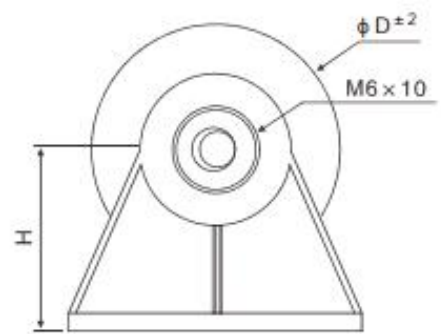
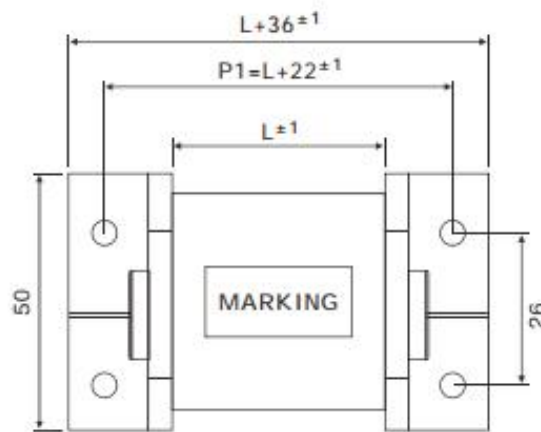


Outline drawing A...

## 外型及尺寸/Outline drawing



Outline drawing B...



Outline drawing C...



## Electrical specifications, ordering codes

Part Number	CAP μF	Dimension (mm)				du/dt v/μs	I <sub>peak</sub> A	ESR@ 1.0kHz	I <sub>rms</sub> @25C @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									
DTR1200K4.7-*-*#	4.7	37	73	5.0	M6	600	2820	1.5	62
DTR1200K5.0-*-*#	5	37	76	5.5	M6	600	3000	1.4	65
DTR1200K6.0-*-*#	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

