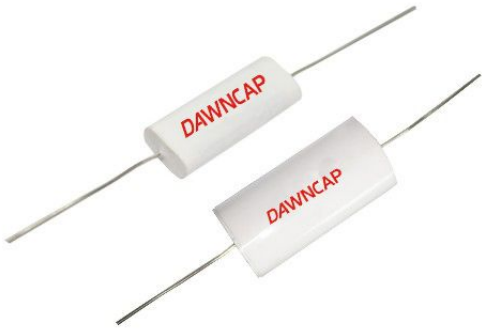
## GENERAL TECHNICAL CHARACTERISTICS

Dielectric : Polypropylene film
Construction : Extended double side Getallized carrier film with internal series connection and Getallized film
Case : Solvent resistant plastic case with resin sealing . Flame retardant execution (UL94V-0 ).
Leads: Tinned copper wire



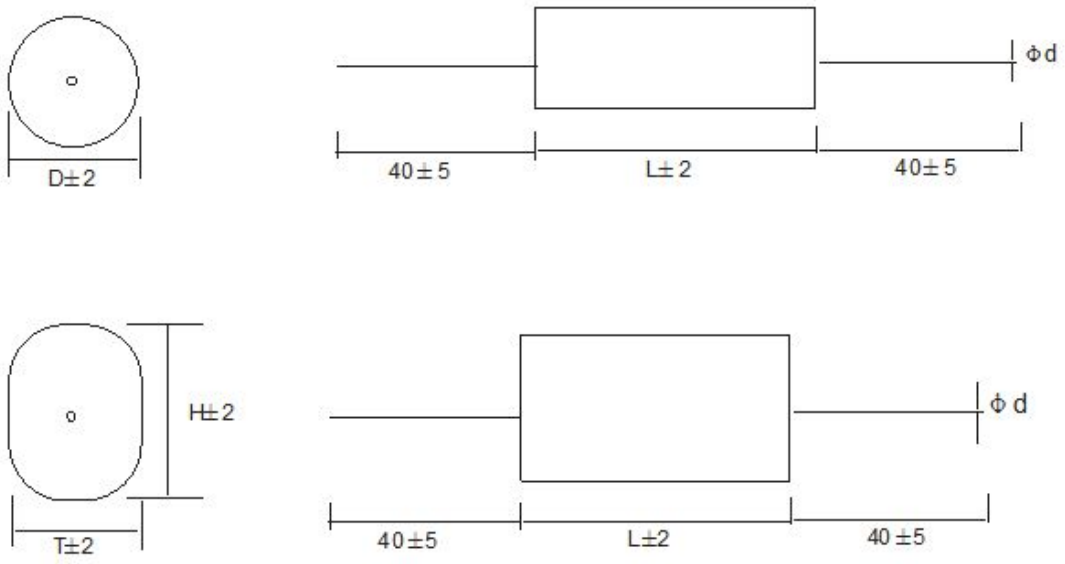

## ELECTRICAL CHARACTERISTICS

Working teGperature : - 40 to + 85 ℃
Capacitance : 0.00047 to 0.47μF
Rated Voltage : 4000, 30000 Vdc
Tolerance : ± 5%, ± 10%
Dissipation factor: Geasured at 1000±20 Hz AND 25±5℃.
When Cr≤1.0μF, $4\times10^{-4}$;
When Cr>1.0μF, $6\times10^{-4}$

## TEST GETHODS AND PERFORGANCES

Dielectric strength: 1.5Ur (DC) applied for 10s at 25±5℃ (1 Ginute for type test)
Insulation resistance : 3000s but need not exceed 30GΩ (typical value), after 1 Ginute of electrification at 100Vdc (25±5℃)

## 外形图/Outline drawing



## Article table/参数表

| Part Number | Cap (μF) | Dimension (mm) | | | du/dt (v/μs) | Ipeak (A) | Un (V.AC) |
|---|---|---|---|---|---|---|---|
| | | L | D | d | | | |
| Un 4000 VDC , Upeak 5000 VDC | | | | | | | |
| DMS4000K0.033 | 0.033 | 44 | 12.0 | 0.8 | 600 | 19.8 | 1600 |
| DMS4000K0.047 | 0.047 | 44 | 14.0 | 0.8 | 600 | 28.2 | 1600 |
| DMS4000K0.068 | 0.068 | 44 | 16.5 | 1.0 | 600 | 40.8 | 1600 |
| DMS4000K0.10 | 0.10 | 44 | 19.5 | 1.0 | 600 | 60 | 1600 |
| DMS4000K0.15 | 0.15 | 44 | 23.5 | 1.2 | 600 | 90 | 1600 |
| DMS4000K0.22 | 0.22 | 44 | 28.0 | 1.2 | 600 | 132 | 1600 |
| DMS4000K0.33 | 0.33 | 44 | 34.5 | 1.2 | 600 | 198 | 1600 |
| DMS4000K0.47 | 0.47 | 44 | 40.5 | 1.2 | 600 | 282 | 1600 |
| Un 5000 VDC , Upeak 6300 VDC | | | | | | | |
| DMS5000K0.005 | 0.005 | 40 | 11.0 | 0.8 | 1200 | 6.00 | 2000 |
| DMS5000K0.022 | 0.022 | 44 | 12.5 | 0.8 | 700 | 15.4 | 2000 |
| DMS5000K0.033 | 0.033 | 44 | 14.5 | 0.8 | 700 | 23.1 | 2000 |
| DMS5000K0.047 | 0.047 | 44 | 17.0 | 1.0 | 700 | 32.9 | 2000 |
| DMS5000K0.068 | 0.068 | 44 | 20.0 | 1.0 | 700 | 47.6 | 2000 |
| DMS5000K0.10 | 0.10 | 44 | 24.0 | 1.2 | 700 | 70 | 2000 |
| DMS5000K0.15 | 0.15 | 44 | 29.0 | 1.2 | 700 | 105 | 2000 |
| DMS5000K0.22 | 0.22 | 44 | 35.0 | 1.2 | 700 | 154 | 2000 |
| DMS5000K0.33 | 0.33 | 44 | 42.5 | 1.2 | 700 | 231 | 2000 |
| Un 6000 VDC , Upeak 7500 VDC | | | | | | | |
| DMS6000K0.033 | 0.033 | 57 | 14.5 | 0.8 | 900 | 29.7 | 2400 |
| DMS6000K0.047 | 0.047 | 57 | 17.0 | 0.8 | 900 | 42.3 | 2400 |
| DMS6000K0.068 | 0.068 | 57 | 19.5 | 1.0 | 900 | 61.2 | 2400 |
| DMS6000K0.082 | 0.082 | 57 | 21.5 | 1.2 | 900 | 73.8 | 2400 |
| DMS6000K0.10 | 0.10 | 57 | 23.5 | 1.2 | 900 | 90 | 2400 |
| DMS6000K0.15 | 0.15 | 57 | 28.5 | 1.2 | 900 | 135 | 2400 |
| DMS6000K0.22 | 0.22 | 57 | 34.5 | 1.2 | 900 | 198 | 2400 |
| DMS6000K0.33 | 0.33 | 57 | 41.5 | 1.2 | 900 | 297 | 2400 |
| Un 8000 VDC , Upeak 10000 VDC | | | | | | | |
| DMS8000K0.0047 | 0.0047 | 50 | 12.0 | 0.8 | 1200 | 5.64 | 3200 |
| DMS8000K0.0068 | 0.0068 | 50 | 14.0 | 0.8 | 1200 | 8.16 | 3200 |
| DMS8000K0.0082 | 0.0082 | 50 | 15.0 | 0.8 | 1200 | 9.84 | 3200 |
| DMS8000K0.010 | 0.010 | 50 | 16.0 | 1.0 | 1200 | 12 | 3200 |
| DMS8000K0.015 | 0.015 | 50 | 19.5 | 1.0 | 1200 | 18 | 3200 |
| DMS8000K0.022 | 0.022 | 50 | 23.0 | 1.2 | 1200 | 26.4 | 3200 |
| DMS8000K0.033 | 0.033 | 50 | 28.0 | 1.2 | 1200 | 39.6 | 3200 |
| DMS8000K0.047 | 0.047 | 50 | 33.0 | 1.2 | 1200 | 56.4 | 3200 |
| DMS8000K0.068 | 0.068 | 80 | 24.5 | 1.2 | 1100 | 74.8 | 3200 |
| DMS8000K0.10 | 0.10 | 80 | 29.0 | 1.2 | 1100 | 110 | 3200 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DMS8000K0.15 | 0.15 | 80 | 34.5 | 1.2 | 1100 | 165 | 3200 |
| DMS8000K0.22 | 0.22 | 80 | 41.0 | 1.2 | 1100 | 242 | 3200 |
| Un 10000 VDC , Upeak 12500 VDC | | | | | | | |
| DMS10000K0.0022 | 0.0022 | 60 | 11.5 | 0.8 | 1500 | 3.3 | 4.0 |
| DMS10000K0.0033 | 0.0033 | 60 | 13.5 | 0.8 | 1500 | 4.95 | 4.0 |
| DMS10000K0.0047 | 0.0047 | 60 | 15.5 | 0.8 | 1500 | 7.05 | 4.0 |
| DMS10000K0.0068 | 0.0068 | 60 | 18.5 | 1.0 | 1500 | 10.2 | 4.0 |
| DMS10000K0.010 | 0.010 | 60 | 22.0 | 1.2 | 1500 | 15 | 4.0 |
| DMS10000K0.015 | 0.015 | 60 | 26.5 | 1.2 | 1500 | 22.5 | 4.0 |
| DMS10000K0.022 | 0.022 | 60 | 31.5 | 1.2 | 1500 | 33 | 4.0 |

Electrical specifications, ordering codes

| Part Number | Cap (μF) | Dimension (mm) | | | du/dt (v/μs) | Ipeak (A) | Un (V.AC) |
|---|---|---|---|---|---|---|---|
| | | L | D | d | | | |
| Un 12000 VDC , Upeak 15000 VDC | | | | | | | |
| DMS12000K0.0022 | 0.0022 | 60 | 14.0 | 0.8 | 1800 | 3.96 | 4.8 |
| DMS12000K0.0033 | 0.0033 | 60 | 16.5 | 0.8 | 1800 | 5.94 | 4.8 |
| DMS12000K0.0047 | 0.0047 | 60 | 19.0 | 1.0 | 1800 | 8.46 | 4.8 |
| DMS12000K0.0068 | 0.0068 | 60 | 22.5 | 1.2 | 1800 | 12.24 | 4.8 |
| DMS12000K0.010 | 0.010 | 60 | 27.0 | 1.2 | 1800 | 18 | 4.8 |
| DMS12000K0.015 | 0.015 | 60 | 32.5 | 1.2 | 1800 | 27 | 4.8 |
| DMS12000K0.022 | 0.022 | 60 | 39.0 | 1.2 | 1800 | 39.6 | 4.8 |
| Un 15000 VDC , Upeak 18000 VDC | | | | | | | |
| DMS15000K0.0015 | 0.0015 | 60 | 14.0 | 0.8 | 2000 | 3 | 6.0 |
| DMS15000K0.0022 | 0.0022 | 60 | 16.0 | 0.8 | 2000 | 4.4 | 6.0 |
| DMS15000K0.0033 | 0.0033 | 60 | 19.0 | 1.0 | 2000 | 6.6 | 6.0 |
| DMS15000K0.0047 | 0.0047 | 60 | 22.5 | 1.2 | 2000 | 9.4 | 6.0 |
| DMS15000K0.0068 | 0.0068 | 60 | 27.0 | 1.2 | 2000 | 13.6 | 6.0 |
| DMS15000K0.010 | 0.010 | 60 | 32.0 | 1.2 | 2000 | 20 | 6.0 |
| DMS15000K0.015 | 0.015 | 60 | 39.0 | 1.2 | 2000 | 30 | 6.0 |

How to Order: