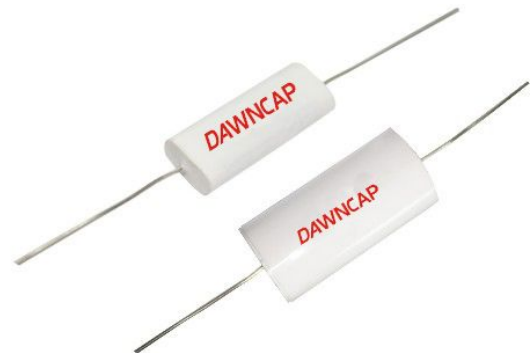


## GENERAL TECHNICAL CHARACTERISTICS

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

## ELECTRICAL CHARACTERISTICS

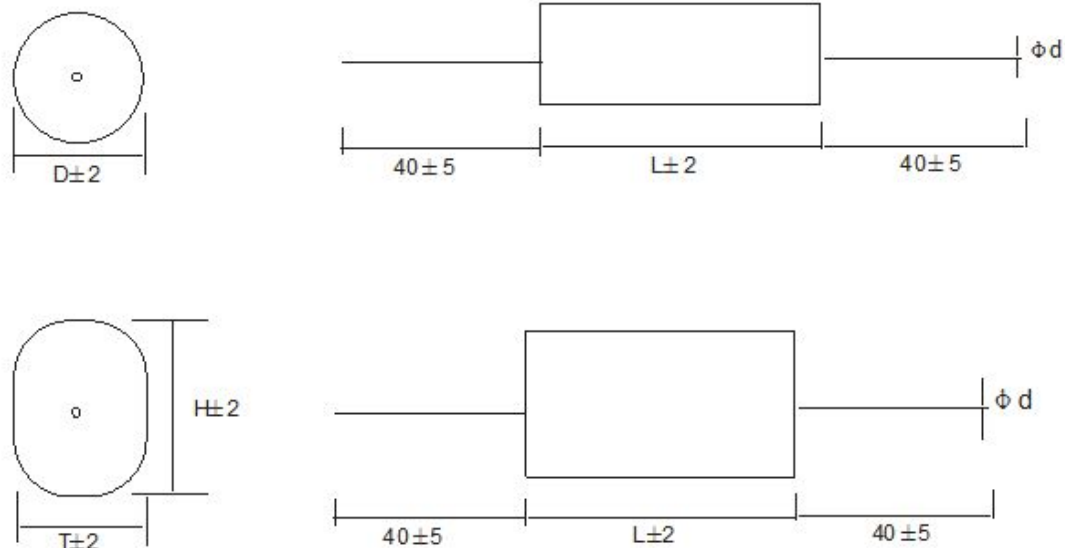
Working temperature : - 40 to + 85 °C  
 Capacitance : 0.0047 to 8.5μF  
 Rated Voltage : 600, 3000 Vdc  
 Tolerance : ± 5%, ± 10%  
 Dissipation factor: Measured at 1000±20 Hz AND 25±5°C.  
 When  $C_r \leq 1.0\mu F$ ,  $4 \times 10^{-4}$ ;  
 When  $C_r > 1.0\mu F$ ,  $6 \times 10^{-4}$



## TEST METHODS AND PERFORMANCES

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

## 外形图/Outline drawing



### Article table/参数表

Part Number	CAP μF	Dimension (mm)					du/dt v/μs	Ipeak A	Irms A	ESR mΩ
		Flat, oval								
		L	D	T	H	d				
Ur 700Vdc Urms 380Vac, Upk 1000Vdc										
DTS700K0.33*#	0.33	32.0	14.5	9.5	17.5	0.8	480	158	6.0	6.0
DTS700K0.47*#	0.47	32.0	16.5	12.0	20.0	0.8	480	226	8.0	5.0
DTS700K0.68*#	0.68	32.0	20.0	15.0	23.0	1.0	480	326	9.0	4.0
DTS700K1.0*#	1.0	44.0	19.0	14.0	22.0	1.2	320	320	10.0	4.0
DTS700K1.5*#	1.5	44.0	23.0	16.5	27.5	1.2	320	480	11.0	3.5
DTS700K2.0*#	2.0	44.0	26.0	20.0	31.0	1.2	320	640	11.0	3.3
DTS700K2.2*#	2.2	44.0	27.0	21.0	32.0	1.2	320	704	11.0	3.0
DTS700K2.5*#	2.5	44.0	29.0	22.5	33.5	1.2	320	800	12.0	2.8
DTS700K3.0*#	3.0	44.0	31.5	25.0	36.0	1.2	320	960	13.0	2.5
DTS700K3.5*#	3.5	57.0	28.5	22.0	33.0	1.2	240	840	14.0	4.0
DTS700K4.7*#	4.7	57.0	32.5	26.0	37.0	1.2	240	1128	14.0	3.0
DTS700K5.6*#	5.6	57.0	35.5	28.0	40.0	1.2	240	1344	14.0	2.5
Ur 1000Vdc Urms 480Vac, Upk 1400Vdc										
DTS1000K0.1*#	0.1	32.0	11.0	8.0	12.5	0.8	850	85	5.0	8.5
DTS1000K0.15*#	0.15	32.0	13.0	9.0	15.5	0.8	850	128	6.0	7.5
DTS1000K0.22*#	0.22	32.0	15.5	11.0	19.0	1.0	850	187	7.0	6.0
DTS1000K0.33*#	0.33	32.0	18.5	14.0	22.0	1.0	850	281	9.0	5.0
DTS1000K0.47*#	0.47	32.0	22.0	16.0	27.0	1.0	850	400	9.0	3.8
DTS1000K0.68*#	0.68	44.0	21.0	14.5	26.0	1.0	550	374	10.0	4.0
DTS1000K1.0*#	1.0	44.0	25.0	18.5	30.0	1.2	550	550	12.0	3.5
DTS1000K1.5*#	1.5	44.0	30.5	24.0	35.0	1.2	550	825	12.0	3.0
DTS1000K2.0*#	2.0	57.0	29.0	22.5	34.0	1.2	340	680	12.5	3.6
DTS1000K2.2*#	2.2	57.0	30.5	24.0	35.0	1.2	340	748	12.5	3.0
DTS1000K3.0*#	3.0	57.0	35.5	28.5	40.0	1.2	340	1020	13.0	2.5
DTS1000K3.3*#	3.3	57.0	37.0	33.0	40.0	1.2	340	1122	13.5	2.3
DTS1000K4.7*#	4.7	57.0	44.0			1.2	340	1598	14.0	2.1
Ur 1200Vdc Urms 500Vac, Upk 1600Vdc										
DTS1200K0.068*#	0.068	32	10.0	7.0	11.5	0.8	1200	81.6	4.0	11.0
DTS1200K0.1*#	0.1	32.0	11.5	8.5	13.5	0.8	1200	120	5.0	8.0
DTS1200K0.15*#	0.15	32.0	14.5	9.5	17.5	1.0	1200	180	6.0	7.0
DTS1200K0.22*#	0.22	32.0	17.0	12.5	20.5	1.0	1200	264	9.0	5.5
DTS1200K0.33*#	0.33	32.0	20.5	15.5	23.5	1.0	1200	396	9.0	4.5
DTS1200K0.47*#	0.47	44.0	22.5	14.5	22.5	1.0	650	306	10.0	5.5
DTS1200K0.68*#	0.68	44.0	23.0	16.5	27.5	1.2	650	442	11.0	4.5
DTS1200K1.0*#	1.0	44.0	27.5	21.0	32.5	1.2	650	650	12.0	4.1
DTS1200K1.5*#	1.5	44.0	33.5	27.0	38.0	1.2	650	5975	12.0	2.7

DTS1200K2.0*#	2.0	57.0	32.0	25.5	36.5	1.2	380	760	12.5	3.1
DTS1200K2.2*#	2.2	57.0	33.5	27.0	38.0	1.2	380	836	12.5	3.0
DTS1200K3.3*#	3.3	57.0	41.0			1.2	380	1254	13.5	2.3
Ur 1600Vdc Urms 500Vac, Upk 2000Vdc										
DTS16007K0.047*#	0.047	32.0	11.5	7.5	13.5	0.8	1300	61.1	4.0	18.0
DTS16007K0.068*#	0.068	32.0	12.5	8.5	17.0	0.8	1300	84.4	4.0	14.0
DTS16007K0.1*#	0.1	32.0	16.0	11.0	19.0	0.8	1300	130	5.5	10.5
DTS16007K0.15*#	0.15	32.0	19.0	14.5	22.5	1.0	1300	195	7.5	8.0
DTS16007K0.22*#	0.22	32.0	23.0	16.5	28.5	1.0	1300	286	9.0	5.5
DTS16007K0.33*#	0.33	44.0	22.0	15.5	26.5	1.0	850	280.5	9.0	5.5
DTS16007K0.47*#	0.47	44.0	26.0	19.5	32.5	1.2	850	399.5	10.0	4.5
DTS16007K0.68*#	0.68	44.0	31.0	24.5	35.5	1.2	850	578	11.0	4.0
DTS16007K1.0*#	1.0	44.0	37.5	31	42.0	1.2	850	850	12.0	3.5
DTS16007K1.2*#	1.2	57.0	34.0	27.5	38.5	1.2	600	720	12.0	3.3
DTS16007K1.5*#	1.5	57.0	38.0			1.2	600	900	12.5	3.1
DTS16007K2.0*#	2.0	57.0	43.5			1.2	600	1200	13.0	2.8
Ur 2000Vdc Urms 630Vac, Upk 2500Vdc										
DTS2000K0.022*#	0.022	32.0		5.5	12.0	0.8	2000	44	2.5	36.0
DTS2000K0.033*#	0033	32.0	11.0	7.0	13.5	0.8	2000	66	3.5	32.5
DTS2000K0.047*#	0.047	32.0	12.5	8.0	16.5	0.8	2000	94	4.5	23.0
DTS2000K0.068*#	0.068	32.0	15	10.5	18.5	0.8	2000	136	5.5	15.0
DTS2000K0.1*#	0.1	32.0	18.0	13.0	21.5	1.0	2000	200	7.5	9.1
DTS2000K0.15*#	0.15	44.0	17.0	12.5	20.5	1.0	1200	180	9.0	6.8
DTS2000K0.22*#	0.22	44.0	20.5	15.5	23.5	1.0	1200	264	9.0	6.0
DTS2000K0.33*#	0.33	44.0	24.5	18.5	30.0	1.2	1200	396	11.0	5.0
DTS2000K0.47*#	0.47	44.0	30.0	23.5	34.5	1.2	1200	564	12.0	4.1
DTS2000K0.68*#	0.68	57.0	29.0	23.0	34.0	1.2	700	476	12.0	4.5
DTS2000K1.0*#	1.0	57.0	35.0	29.0	40.0	1.2	700	700	12.5	3.3
Ur 3000Vdc Urms750Vac, Upk 3500Vdc										
DTS3000K0.0068*#	0.0068	32		5.0	10.0	0.8	3000	20.4	1.5	88.0
DTS3000K0.01*#	0.01	32		6.0	12.5	0.8	3000	30	2.0	64.0
DTS3000K0.022*#	0.022	32	13.0	8.5	16.5	0.8	3000	66	4.0	29.0
DTS3000K0.033*#	0.033	32	16.0	11.0	19.0	1.0	3000	99	5.0	21.0
DTS3000K0.047*#	0.047	32	18.5	14.0	21.5	1.0	3000	141	6.0	14.0
DTS3000K0.068*#	0.068	44	17.5	12.5	21.0	1.0	1600	108.8	8.0	13.0
DTS3000K0.1*#	0.1	44	21.0	14.5	26.0	1.2	1600	160	11.0	9.5
DTS3000K0.22*#	0.22	44	30.5	24.0	35.0	1.2	1600	352	12.0	6.0
DTS3000K0.33*#	0.33	57	30.5	24.0	35.5	1.2	1000	330	12.0	5.0
DTS3000K0.47*#	0.47	57	37.0			1.2	1000	470	12.0	4.0

How to Order:

DTS - 1200 - 1.0K - 44(\*) #

NONE for round axial, FO for flat oval

Length of capacitor

Capacitance K=10% J=5%

DAWNCAP DTS series capacitors  
IGBT Snubber application

**DTS series for Snubber**

Voltage