

GENERAL TECHNICAL CHARACTERISTICS

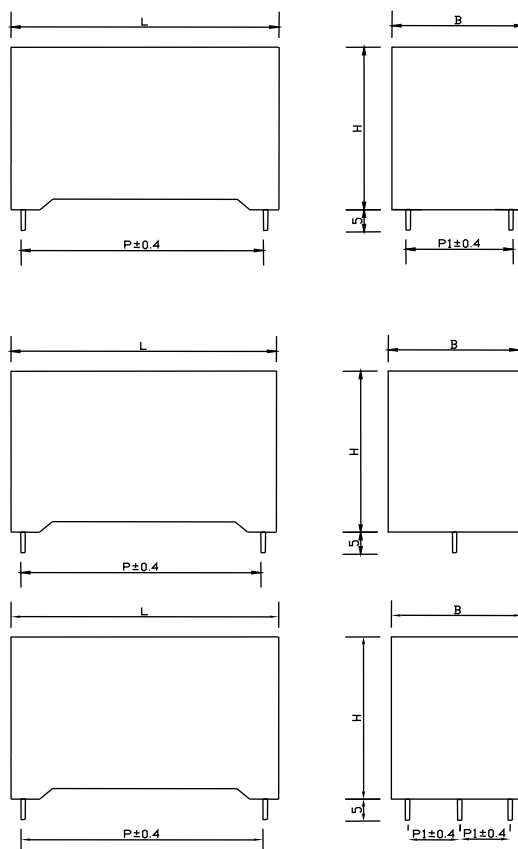
Dielectric : Polypropylene film
 Construction : Extended double side Getallized carrier film with internal series connection and Getallized film
 Case : Solvent resistant plastic case with resin sealing .
 Flame retardant execution (UL94V-0).
 Leads: Tinned copper wire, 2 leads, 4 leads, 6 leads

ELECTRICAL CHARACTERISTICS

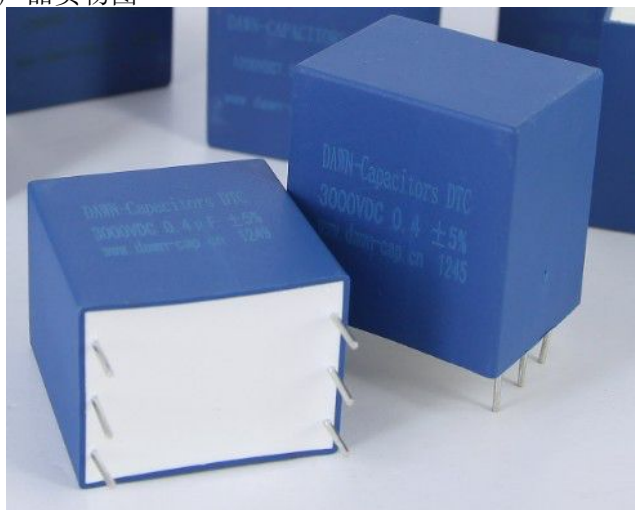
Working teGperature : - 40 to + 85 °C
 Capacitance : 0.0047 to 8.5μF
 Rated Voltage : 600, 3000 Vdc
 Tolerance : ± 5%, ± 10%
 Dissipation factor: Geasured at 1000±20 Hz AND 25±5°C.
 When $Cr \leq 1.0\mu F$, 4×10^{-4} ;
 When $Cr > 1.0\mu F$, 6×10^{-4}

TEST GETHODS AND PERFORGANCES

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



产品实物图



Electrical specifications, ordering codes

Part Number	CAP μF	Dimension (mm)					du/dt v/μs	Ipeak A	Irms max@25°C @10kHz	ESR @10kHz (mΩ)
		L	T	H	P	d				
Ur 700Vdc Urms 380Vac, Upk 1000Vdc										
DTC700K0.1#	0.1	26.5	8.5	17.0	22.5	0.8	900	90	3.5	13.0
DTC700K0.15#	0.15	26.5	10.0	18.5	22.5	0.8	900	135	5.0	9.5
DTC700K0.22#	0.22	26.5	11.0	20.0	22.5	0.8	900	198	6.5	7.5
DTC700K0.22#	0.22	31.0	11.0	20.0	27.5	1.0	600	132	6.5	8.0
DTC700K0.33#	0.33	31.0	13.0	22.0	27.5	1.0	600	198	8.5	6.3

DAWNCAP DTC series capacitors
 IGBT Snubber application

DTC series for Snubber

DTC700K0.47#	0.47	31.0	15.0	24.5	27.5	1.0	600	282	9.0	5.1
DTC700K0.68#	0.68	31.0	17.0	28.0	27.5	1.2	600	408	12.0	4.0
DTC700K1.0#	1.0	31.0	22.0	31.0	27.5	1.2	600	600	12.5	3.4
DTC700K1.0#	1.0	42.5	17.0	28.0	37.5	1.2	450	450	12.5	3.8
DTC700K1.5#	1.5	42.5	22.0	30.0	37.5	1.2	450	675	13.0	3.5
DTC700K2.0#	2.0	42.5	28.0	37.0	37.5	1.2	450	900	13.5	3.3
DTC700K2.2#	2.2	42.5	28.0	37.0	37.5	1.2	450	990	13.5	3.1
DTC700K3.0#	3.0	42.5	30.0	45.0	37.5	1.2	450	1350	13.5	2.9
DTC700K3.3#	3.3	42.5	30.0	45.0	37.5	1.2	450	1485	13.5	2.6
DTC700K4.0#	4.0	42.5	33.0	45.0	37.5	1.2	450	1800	14.0	2.3
DTC700K4.0#	4.0	57.5	30.0	45.0	52.5	1.2	300	1200	14.0	3.3
DTC700K4.7#	4.7	57.5	30.0	45.0	52.5	1.2	300	1410	14.0	3.0
DTC700K5.6#	5.6	57.5	35.0	50.0	52.5	1.2	300	1680	14.0	2.5
Ur 1000Vdc Urms 450Vac, Upk 1400Vdc										
DTC1000K0.068#	0.068	26.5	8.5	17.0	22.5	0.8	1200	81.6	2.3	14.0
DTC1000K0.1#	0.1	26.5	11.0	20.0	22.5	0.8	1200	120	5.0	10.0

Electrical specifications, ordering codes

Part Number	CAP μF	Dimension (mm)					du/dt v/μs	Ipeak A	Irms max@25°C @10kHz	ESR @10kHz (mΩ)
		L	T	H	P	d				
Ur 700Vdc Urms 380Vac, Upk 1000Vdc										
DTC1000K0.15#	0.15	26.5	12.0	22.0	22.5	0.8	1200	180	6.5	7.5
DTC1000K0.15#	0.15	31.0	11.0	20.0	27.5	0.8	1000	150	6.5	8.3
DTC1000K0.22#	0.22	31.0	15.0	24.5	27.5	1.0	1000	220	9.0	6.8
DTC1000K0.33#	0.33	31.0	17.0	28.0	27.5	1.0	1000	330	12.0	5.7
DTC1000K0.47#	0.47	31.0	18.0	33.0	27.5	1.2	1000	470	14.0	4.1
DTC1000K0.47#	0.47	42.5	17.0	28.0	37.5	1.2	650	305	12.0	4.8
DTC1000K0.68#	0.68	42.5	22.0	30.0	37.5	1.2	650	442	12.0	4.2
DTC1000K1.0#	1.0	42.5	28.0	37.0	37.5	1.2	650	650	14.0	3.6
DTC1000K1.5#	1.5	42.5	30.0	45.0	37.5	1.2	650	975	14.0	3.1
DTC1000K2.0#	2.0	42.5	33.0	45.0	37.5	1.2	650	1300	14.0	2.5
DTC1000K2.0#	2.0	57.5	30.0	45.0	52.5	1.2	400	800	14.0	3.2
DTC1000K2.2#	2.2	57.5	30.0	45.0	52.5	1.2	400	880	14.0	2.6
DTC1000K0.15#	0.15	26.5	12.0	22.0	22.5	0.8	1200	180	6.5	7.5
DTC1000K0.15#	0.15	31.0	11.0	20.0	27.5	0.8	1000	150	6.5	8.3
DTC1000K3.0#	3.0	57.5	35.0	50.0	52.5	1.2	400	1200	14.0	2.4
DTC1000K3.3#	3.3	57.5	35.0	50.0	52.5	1.2	400	1320	14.0	2.2
Ur 1200Vdc Urms 500Vac, Upk 1600Vdc										
DTC1200K0.047#	0.047	26.5	8.5	17.0	22.5	0.8	1500	70.5	3.5	17.0
DTC1200K0.068#	0.068	26.5	10.0	18.5	22.5	0.8	1500	102	4.0	13.0
DTC1200K0.068#	0.068	31.0	9.0	18.0	27.5	0.8	1200	81.6	4.0	14.2
DTC1200K0.1#	0.1	26.5	12.0	22.0	22.5	0.8	1500	150	5.5	10.1

DTC1200K0.1#	0.1	31.0	11.0	20.0	27.5	0.8	1200	81.6	5.5	10.5
DTC1200K0.15#	0.15	31.0	13.0	22.0	27.5	1.0	1200	180	7.0	8.5
DTC1200K0.22#	0.22	31.0	15.0	24.5	27.5	1.0	1200	264	9.0	7.1
DTC1200K0.33#	0.33	31.0	18.0	33.0	27.5	1.2	1200	396	12.0	5.5
DTC1200K0.33#	0.33	42.5	15.0	26.0	37.5	1.2	850	280.5	12.0	5.5
DTC1200K0.47#	0.47	42.5	17.0	28.0	37.5	1.2	850	399.5	12.5	4.8
DTC1200K0.68#	0.68	42.5	22.0	30.0	37.5	1.2	850	578	14.0	4.0
DTC1200K1.0#	1.0	42.5	28.0	37.0	37.5	1.2	850	850	14.0	3.5
DTC1200K1.5#	1.5	42.5	30.0	45.0	37.5	1.2	850	1275	14.0	2.8
DTC1200K2.0#	2.0	57.5	30.0	45.0	52.5	1.2	450	900	14.0	3.0
DTC1200K2.2#	2.2	57.5	30.0	50.0	52.5	1.2	450	990	14.0	2.8
DTC1200K3.0#	3.0	57.5	35.0	50.0	52.5	1.2	450	1350	14.0	2.4
Ur 1600Vdc Urms 500Vac, Upk 2000Vdc										
DTC1600K0.033#	0.033	26.5	8.5	17.0	22.5	0.8	1800	59.4	3.0	23.0
DTC1600K0.047#	0.047	26.5	10.0	18.5	22.5	0.8	1800	84.6	3.5	17.0
DTC1600K0.047#	0.047	31.0	9.0	18.0	27.5	0.8	1500	70.5	3.5	18.5
DTC1600K0.068#	0.068	26.5	12.0	22.0	22.5	0.8	1800	122.4	5.0	12.5
DTC1600K0.068#	0.068	31.0	11.0	20.0	27.5	0.8	1500	102	5.0	14.5
Ur 1600Vdc Urms 500Vac, Upk 2000Vdc										
DTC1600K0.068#	0.068	31.0	11.0	20.0	27.5	0.8	1500	102	5.0	14.5
DTC1600K0.1#	0.1	31.0	13.0	22.0	27.5	0.8	1500	150	6.5	10.5
DTC1600K0.15#	0.15	31.0	17.0	28.0	27.5	1.0	1500	225	8.0	7.5
DTC1600K0.22#	0.22	31.0	18.0	33.0	27.5	1.2	1500	330	11.0	5.5
DTC1600K0.22#	0.22	42.5	17.0	28.0	37.5	1.2	1000	220	10.0	6.8
DTC1600K0.33#	0.33	42.5	22.0	30.0	37.5	1.2	1000	330	12.0	5.1
DTC1600K0.47#	0.47	42.5	28.0	37.0	37.5	1.2	1000	470	14.0	4.5
DTC1600K0.68#	0.68	42.5	28.0	37.0	37.5	1.2	1000	680	14.0	4.0
DTC1600K1.0#	1.0	42.5	30.0	45.0	37.5	1.2	1000	1000	14.0	3.5
DTC1600K1.2#	1.2	57.5	30.0	45.0	52.5	1.2	600	720	14.0	3.6
DTC1600K1.5#	1.5	57.5	35.0	50.0	52.5	1.2	600	900	14.0	3.2
Ur 2000Vdc Urms 630Vac, Upk 2500Vdc										
DTC2000K0.022#	0.022	26.5	8.5	17.0	22.5	0.8	2500	55	2.5	27.0
DTC2000K0.033#	0.033	26.5	11.0	20.0	22.5	0.8	2500	82.5	3.5	22.0
DTC2000K0.033#	0.033	31.0	11.0	20.0	27.5	0.8	2000	66	4.0	24.0
DTC2000K0.047#	0.047	26.5	12.0	22.0	22.5	0.8	2500	117.5	4.5	15.0
DTC2000K0.047#	0.047	31.0	11.0	20.0	27.5	0.8	2000	94	4.5	16.8
DTC2000K0.068#	0.068	31.0	13.0	22.0	27.5	0.8	2000	136	5.5	12.5
DTC2000K0.1#	0.1	31.0	15.0	24.5	27.5	1.0	2000	200	8.0	8.5
DTC2000K0.15#	0.15	31.0	18.0	33.0	27.5	1.0	2000	300	11.0	6.5
DTC2000K0.15#	0.15	42.5	15.0	26.0	37.5	1.2	1200	180	9.0	8.0
DTC2000K0.22#	0.22	42.5	22.0	30.0	37.5	1.2	1200	264	12.0	5.5
DTC2000K0.33#	0.33	42.5	28.0	37.0	37.5	1.2	1200	396	13.0	5.0
DTC2000K0.47#	0.47	42.5	28.0	37.0	37.5	1.2	1200	564	14.0	4.0

DTC2000K0.68#	0.68	42.5	33.0	45.0	37.5	1.2	1200	816	14.0	3.8
DTC2000K0.68#	0.68	57.5	30.0	45.0	52.5	1.2	700	476	14.0	4.5
Ur3000Vdc Urms 700Vac, Upk 3500Vdc										
DTC3000K0.01#	0.01	26.5	8.5	17.0	22.5	0.8	3500	35	2.5	45.5
DTC3000K0.01#	0.01	31.0	9.0	18.0	27.5	0.8	3000	30	2.5	54.0
DTC3000K0.022#	0.022	26.5	12.0	22.0	22.5	0.8	3500	77	3.0	33.0
DTC3000K0.022#	0.022	31.0	11.0	20.0	27.5	0.8	3000	66	3.0	38.0
DTC3000K0.033#	0.033	31.0	15.0	24.5	27.5	0.8	3000	99	5.0	19.0
DTC3000K0.047#	0.047	31.0	18.0	33.0	27.5	0.8	3000	141	7.0	14.0
DTC3000K0.1#	0.1	42.5	22.0	33.0	37.5	1.2	1800	180	10.0	9.6
DTC3000K0.22#	0.22	42.5	30.0	45.0	37.5	1.2	1800	396	12.0	6.1
DTC3000K0.33#	0.33	42.5	33.0	45.0	37.5	1.2	1800	594	14.0	5.6
DTC3000K0.33#	0.47	57.5	33.0	50.0	52.5	1.2	1000	470	14.0	4.9

Part Numbering System : DTC 1200K0.47-EC

"E " = "E(2leads)' F(4leads)' H(6leads).. "

"C " = "A(P=22.5)' B(P=27.5)' C(P=37.5)' D(P=52.5).. "

How to Order:

