

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 .
FlaGe retardant execution (UL94V-0).
- Leads: Tinned copper lugs for screw fixing or soldering on PCBS

ELECTRICAL CHARACTERISTICS

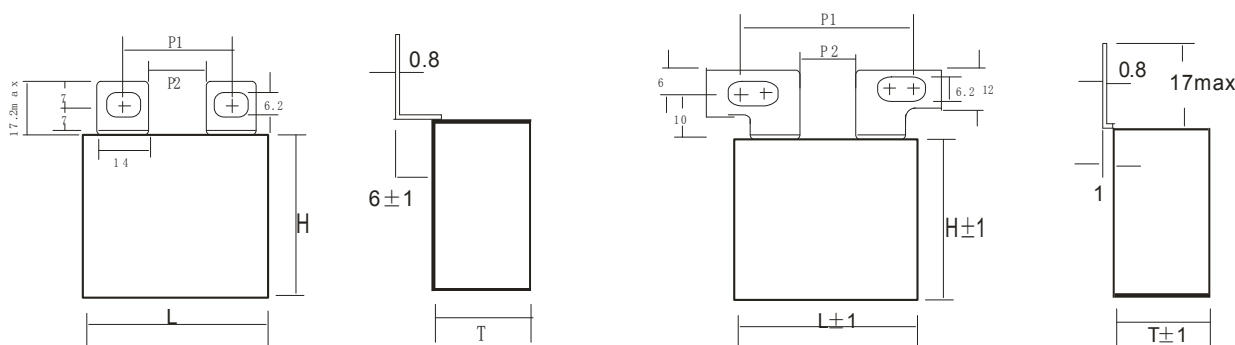
- Working teperature : - 40 to + 85 °C
- Capacitance : 0.047 to 10μF
- Rated Voltage : 600, 3000 Vdc
- Tolerance : ± 5%, ± 10%
- Dissipation factor: Measured at 1000±20 Hz AND 25±5°C.
When $Cr \leq 1.0\mu F$, 4×10^{-4} ;
When $Cr > 1.0\mu F$, 6×10^{-4}

TEST GETHODS AND PERFORGANCES

- Dielectric strength: 2Ur (DC) applied for 10s at 25±5°C (1 Gminute for type test)
- Insulation resistance : 3000s but need not exceed 30GΩ (typical value), after 1 Gminute of electrification at 100Vdc (25±5°C)



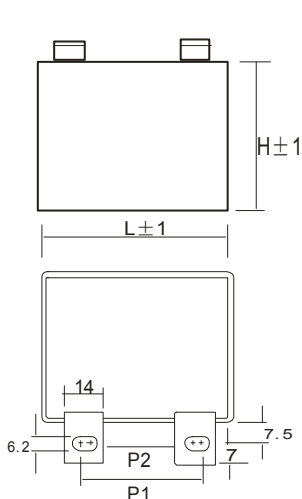
Outline drawing



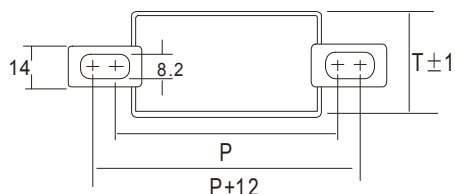
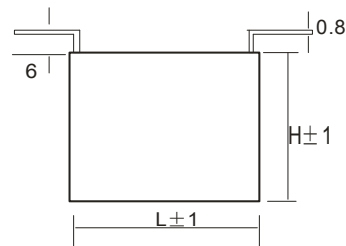
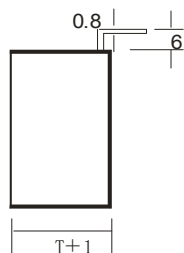
Style A

Style B

Style	A1		A2		B1		B2	
	P1	P2	P1	P2	P1	P2	P1	P2
42.5	23-28	11	20-25	8	29-39	11	33-45	8
57.5	23-28	11	36-41	24	29-39	11	33-45	24



Style C



Style D

Style	C1		C2		D1		D2
L	P1	P2	P1	P2	P1	P2	P
42.5	23-28	11	20-25	8			50
57.5	23-28	11	36-41	24	46-58	28	65

Electrical specifications, ordering codes

Part Number	Cap (µF)	Dimention(mm)			du/dt (v/µs)	Ipeak A	Irms max@25°C @10kHz	ESR @10kHz (mΩ)
		L	T	H				
Ur 700Vdc, Urms 380Vac, Upk 1050Vdc								
DTM700K1.0-*	1.0	42.5	24.5	27.5	325	325	15.0	3.2
DTM700K1.2-*	1.2	42.5	24.5	27.5	325	390	16.0	3.1
DTM700K1.5-*	1.5	42.5	22.0	30.0	325	487	18.0	2.8
DTM700K2.0-*	2.0	42.5	28.0	37.0	325	650	21.5	2.5
DTM700K2.2-*	2.2	42.5	28.0	37.0	325	715	22.0	2.4
DTM700K2.5-*	2.5	42.5	28.0	37.0	325	812	22.5	2.2
DTM700K3.0-*	3.0	42.5	30.0	45.0	325	975	25.5	2.1
DTM700K3.3-*	3.3	42.5	30.0	45.0	325	1072	26.0	2.1
DTM700K3.5-*	3.5	42.5	30.0	45.0	325	1134	26.5	2.0
DTM700K4.0-*	4.0	42.5	33.0	45.0	325	1300	32.0	1.8
DTM700K4.7-*	4.7	57.5	30.0	45.0	220	1034	30.5	2.1
DTM700K5.0-*	5.0	57.5	35.0	50.0	220	1100	31.0	2.1
DTM700K5.0-*	5.0	57.5	30.0	45.0	220	1100	30.5	2.1
DTM700K5.6-*	5.6	57.5	35.0	50.0	220	1232	32.0	2.0
DTM700K6.8-*	6.8	57.5	35.0	50.0	220	1496	32.0	2.0
DTM700K10-*	10	57.5	42.5	56.0	220	2200	33.0	1.3
Ur 1000Vdc, Urms 480Vac, Upk 1500Vdc								
DTM1000K0.68*#	0.68	42.5	24.5	27.5	480	326.4	15	3.3
DTM1000K1.0*#	1.0	42.5	28.0	37.0	480	480	17	3.0
DTM1000K1.2*#	1.2	42.5	33.5	35.5	480	576	20	2.5
DTM1000K1.5*#	1.5	42.5	33.5	35.5	480	720	23	2.2
DTM1000K2.0*#	2.0	42.5	33.0	45.0	480	960	26	2.0
DTM1000K2.2*#	2.2	57.5	30.0	45.0	350	770	26	2.5
DTM1000K2.5*#	2.5	57.5	30.0	45.0	350	875	28	2.2
DTM1000K3.0*#	3.0	57.5	35.0	50.0	350	1050	31	2.1
DTM1000K3.3*#	3.3	57.5	30.0	45.0	350	1155	31	2.0
DTM1000K4.7*#	4.7	57.5	42.5	56.0	350	1750	33	1.6

Electrical specifications, ordering codes

Part Number	Cap (µF)	Dimention(mm)			du/dt (v/µs)	Ipeak A	Irms max@25°C @10kHz	ESR @10kHz (mΩ)
		L	T	H				
Ur 1200Vdc, Urms 500Vac, Upk 1800Vdc								
DTM1200K0.22*#	0.22	42.5	24.5	27.5	650	143	11	5.1
DTM1200K0.33*#	0.33	42.5	24.5	27.5	650	210	12	5.0
DTM1200K0.47*#	0.47	42.5	24.5	27.5	650	308	14	4.2
DTM1200K0.56*#	0.56	42.5	24.5	27.5	650	364	14.5	4.0
DTM1200K0.68*#	0.68	42.5	33.5	35.5	650	422	18.5	3.3
DTM1200K0.82*#	0.82	42.5	33.5	35.5	650	533	20	3.1
DTM1200K1.0*#	1.0	42.5	33.5	35.5	650	650	20.5	3.0
DTM1200K1.2*#	1.2	42.5	33.0	45.0	650	780	23	2.5
DTM1200K1.5*#	1.5	42.5	33.0	45.0	650	975	25	2.3
DTM1200K2.0*#	2.0	57.5	30.0	45.0	450	950	27	2.5
DTM1200K2.2*#	2.2	57.5	35.0	50.0	450	990	30	2.3
DTM1200K2.5*#	2.5	57.5	35.0	50.0	450	1125	31	2.1
DTM1200K3.0*#	3.0	57.5	35.0	50.0	450	1350	32	2.0
DTM1200K4.7*#	4.7	57.5	42.5	56.0	450	2115	34	1.8
Ur 1600Vdc Urms 500Vac, Upk 2250Vdc								
DTM1600K0.33*#	0.33	42.5	24.5	27.5	850	280.5	13	5.0
DTM1600K0.47*#	0.47	42.5	33.5	35.5	850	399.5	18	4.1
DTM1600K0.56*#	0.56	42.5	33.5	35.5	850	476	19	3.6
DTM1600K0.68*#	0.68	42.5	33.5	35.5	850	578	20	3.1
DTM1600K0.82*#	0.82	42.5	33.5	35.5	850	697	21	2.8
DTM1600K1.0*#	1.0	42.5	33.5	35.5	850	850	22	2.5
DTM1600K1.2*#	1.2	57.5	30.0	45.0	650	780	25	2.8
DTM1600K1.5*#	1.5	57.5	35.0	50.0	650	975	28	2.3
DTM1600K2.0*#	2.0	57.5	42.5	56.0	650	1300	30	2.1
Ur 2000Vdc Urms 630Vac, Upk 3000Vdc								
DTM2000K0.1*#	0.1	42.5	24.5	27.5	1000	100	8	12
DTM2000K0.15*#	0.15	42.5	24.5	27.5	1000	150	10	9
DTM2000K0.22*#	0.22	42.5	24.5	27.5	1000	220	12	6
DTM2000K0.33*#	0.33	42.5	33.5	35.5	1000	330	16	4
DTM2000K0.47*#	0.47	42.5	33.0	45.0	1000	470	20	3.5
DTM2000K0.56*#	0.56	42.5	33.0	45.0	1000	560	21	3.0
DTM2000K0.68*#	0.68	57.5	30.0	45.0	700	476	22	3.6
DTM2000K0.82*#	0.82	57.5	30.0	45.0	700	574	24	3.2
DTM2000K1.0*#	1.0	57.5	35.0	50.0	700	700	27	2.8
Ur 3000Vdc Urms 750Vac, Upk 4500Vdc								
DTM3000K0.047*#	0.047	42.5	24.5	27.5	1600	75	7	17
DTM3000K0.068*#	0.068	42.5	24.5	27.5	1600	108	9	12
DTM3000K0.1*#	0.1	42.5	33.5	35.5	1600	160	12	8.5
DTM3000K0.15*#	0.15	42.5	33.5	35.5	1600	240	14	6
DTM3000K0.22*#	0.22	42.5	33.0	45.0	1600	352	16	3
DTM3000K0.33*#	0.33	57.5	30.0	45.0	870	288	21	3.6
DTM3000K0.47*#	0.47	57.5	35.0	50.0	870	408	22	3.0
DTM3000K0.82*#	0.82	57.5	42.5	56.0	870	714	22	3.0

Part Numbering System : DTM1200K0.47*# "*" = style "A B C D"

How to Order:

DTM – 1200 - 1.0- * #

