



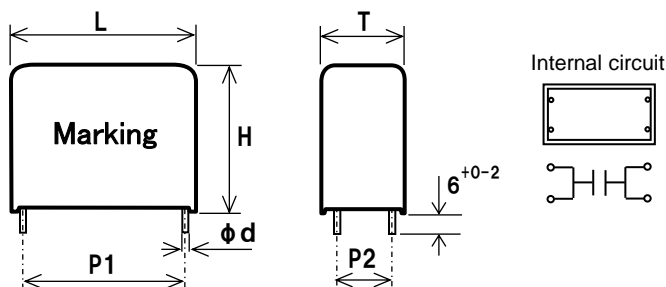
Features

DC link capacitor for power electronics in high humidity environment

- ◇85°C 85%RH, 1000h
- ◇UL94V-0 Plastic package

Specification

Item	Description
Operating temperature	-40~+105°C
Rated voltage UN	700, 900, 1100Vdc
Capacitance tolerance	±10%
Dielectric	Polypropylene
Humidity resistance	85°C85%RH with UN,1000h ΔC ≤ ±5%
Standards	IEC61071:2007
Electrode	No internal safety device
Case and filling material	UL94V-0
Environmental regulation	Comply with RoHS



Standard products table

UN [Vdc]	Capacitance [μF]	Dimensions [mm]						dv/dt [V/us]	Max. peak current [AP]	Max. ripple current [Arms] (at 85°C, 10kHz)	ESR [mΩ] (typ.)	ESL [nH] (typ.)	Thermal resistance [K/W]	Part code
		T	H	L	P1	P2	φd							
UN : 700Vdc at 85°C, UOP: 800dc at 70°C, 500Vdc at 105°C		Voltage test between terminals UTT: 1050Vdc/10s												
700	15	21.5	38.5	43.0	37.5	10.2	1.0	40	600	10.5	8.0	30	13.0	MKCP4T-700V156KEHI
	20	24.0	44.0	42.0	37.5	10.2	1.0	40	800	12.5	6.0	30	12.0	MKCP4T-700V206KEII
	25	30.0	45.0	42.0	37.5	20.3	1.0	40	1000	15.0	5.0	30	9.5	MKCP4T-700V256KGJI
	30	30.0	55.0	42.0	37.5	20.3	1.0	40	1200	17.0	4.0	30	9.5	MKCP4T-700V306KGLI
	30	25.0	45.0	57.5	52.5	10.2	1.2	20	600	12.0	8.0	35	11.0	MKCP4T-700V306KFJL
	40	30.0	45.0	57.5	52.5	20.3	1.2	20	800	15.0	6.0	35	9.5	MKCP4T-700V406KGJL
	50	35.0	50.0	57.5	52.5	20.3	1.2	20	1000	17.0	5.0	35	8.0	MKCP4T-700V506KHKL
	55	35.0	50.0	57.5	52.5	20.3	1.2	20	1100	18.0	4.5	35	8.0	MKCP4T-700V556KHKL
	70	35.0	60.0	57.5	52.5	20.3	1.2	20	1400	20.5	3.5	35	8.0	MKCP4T-700V706KHML
80	35.0	60.0	57.5	52.5	20.3	1.2	20	1600	21.5	3.0	35	8.0	MKCP4T-700V806KHML	
UN : 900Vdc at 85°C, UOP: 1100dc at 70°C, 650Vdc at 105°C		Voltage test between terminals UTT: 1350Vdc/10s												
900	9	21.5	38.5	43.0	37.5	10.2	1.0	40	360	8.5	12.5	30	13.0	MKCP4T-900V905KEHI
	12	24.0	44.0	42.0	37.5	10.2	1.0	40	480	10.0	9.0	30	12.0	MKCP4T-900V126KEII
	17	30.0	45.0	42.0	37.5	20.3	1.0	40	680	14.0	6.0	30	9.5	MKCP4T-900V176KGJI
	20	30.0	55.0	42.0	37.5	20.3	1.0	40	800	15.5	5.0	30	9.5	MKCP4T-900V206KGLI
	20	25.0	45.0	57.5	52.5	10.2	1.2	20	400	10.0	11.0	35	11.0	MKCP4T-900V206KFJL
	25	30.0	45.0	57.5	52.5	20.3	1.2	20	500	11.5	9.0	35	9.5	MKCP4T-900V256KGJL
	30	35.0	50.0	57.5	52.5	20.3	1.2	20	600	14.0	7.0	35	8.0	MKCP4T-900V306KHKL
	35	35.0	50.0	57.5	52.5	20.3	1.2	20	700	15.5	6.0	35	8.0	MKCP4T-900V356KHKL
	40	35.0	60.0	57.5	52.5	20.3	1.2	20	800	16.5	5.0	35	8.0	MKCP4T-900V406KHML
UN : 1100Vdc at 85°C, UOP: 1300dc at 70°C, 800Vdc at 105°C		Voltage test between terminals UTT: 1650Vdc/10s												
1100	6	21.5	38.5	43.0	37.5	10.2	1.0	45	270	8.0	13.5	30	13.0	MKCP4T-1100V605KEHI
	8	24.0	44.0	42.0	37.5	10.2	1.0	45	360	10.0	10.0	30	12.0	MKCP4T-1100V805KEII
	12	30.0	45.0	42.0	37.5	20.3	1.0	45	540	13.5	6.5	30	9.5	MKCP4T-1100V126KGJI
	14	30.0	55.0	42.0	37.5	20.3	1.0	45	630	14.0	6.0	30	9.5	MKCP4T-1100V146KGLI
	14	25.0	45.0	57.5	52.5	10.2	1.2	23	320	9.5	11.5	35	11.0	MKCP4T-1100V146KFJL
	18	30.0	45.0	57.5	52.5	20.3	1.2	23	410	11.5	9.0	35	9.5	MKCP4T-1100V186KGJL
	22	35.0	50.0	57.5	52.5	20.3	1.2	23	500	14.5	7.0	35	8.0	MKCP4T-1100V226KHKL
	25	35.0	50.0	57.5	52.5	20.3	1.2	23	570	15.0	6.5	35	8.0	MKCP4T-1100V256KHKL
	30	35.0	60.0	57.5	52.5	20.3	1.2	23	690	16.5	5.0	35	8.0	MKCP4T-1100V306KHML

Sales & Marketing

<http://www.hitachi-chem.co.jp>

The above specification might be changed without announce because they are under development.

Energy Storage Business Headquarters

Capacitor business unit

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