



DCLT4 PCB用直流支撑电容器 DC-LINK CAPACITOR __ DCLT4 (FOR PCB)

主要特点

- 可承受高有效值电流
- 可承受高峰值电流
- 自感低
- 可靠性高，使用寿命长
- 无极性介质

应用领域

- 离网及组串式光伏逆变器
- 工业和高端电源
- 变频器
- 电机驱动

Highlight Features

- High Irms rating
- High Ipeak rating
- Low self-inductance
- High reliability and life expectancy
- Non-polar

Applications

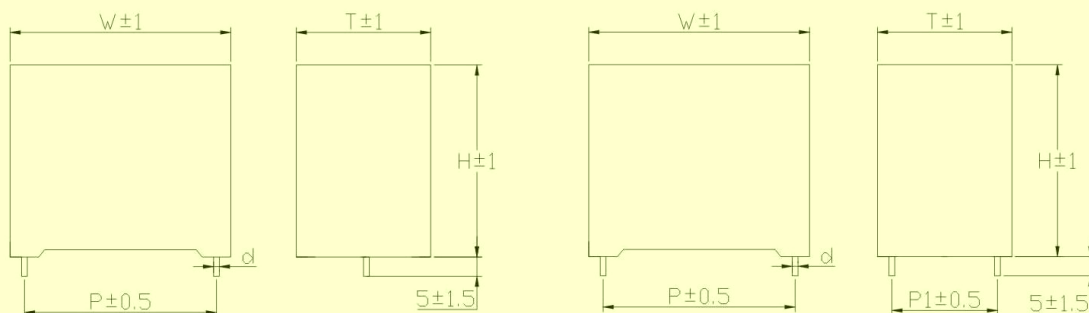
- Off-grid PV inverter
- Industrial power supply
- Frequency converter
- Industry driver



技术参数 Parameters

容量范围 Rated Capacitance	5 μ F ~65 μ F (25°C)
额定电压 Rated Voltage	500VDC~1100VDC
容量偏差 Tolerance	$\pm 10\%$ (standard), $\pm 5\%$ (upon request)
电介质 Dielectric	Metallized polypropylene, Segmented MKP (upon request)
介质损耗 Dissipation factor	Tan d ≤ 0.0002 (100Hz, 25°C)
时间常数 Insulation resistor(RC)	$\geq 5,000s$ after 1 minute of electrification at 100Vdc (25°C)
运行温度 Operating temperature (T_{mp}/T_{max})	-40°C~+105°C
储存温度 Storage temperature (T_s)	-40°C~+85°C
海拔高度 Altitude	$\leq 2000m$
预期寿命 Life expectancy	100,000 hours at U_n and $T_{hs} \leq 70^\circ C$
极间耐压 Test voltage between terminals	1.5 U_{NDC} / 10s at 25°C
极壳耐压 Test voltage terminal to case	3kVAC / 60s 50Hz at 25°C
过电压 Over voltage	1.1 U_{NDC} (30% of on-load-duration); 1.15UNDC (30 min / day) 1.2 U_{NDC} (5 min / day); 1.3UNDC (1 min / day)
结构 Construction	Dry, Filling with epoxy resin, UL94V-0, Antiflaming, Non-inductive
外壳 Case	Plastic case
参考标准 Reference standards	IEC61071-2007, UL94V-0, GB/T17702-2013

外观尺寸 Outline Drawing



常用规格选型表 General Specifications Table

Part Number	Cn	Dimention(mm)						dv/dt	Irms60°C 10kHz	ESR10kHz
	μ F	W	T	H	P	P1	d	V/μ s	A	mΩ
Un= 500V.dc										
DCLT4SY 500-16	16	42.5	22.0	30.0	37.5		1.2	20.0	10.0	7.0
DCLT4SY 500-25	25	42.5	28.0	37.0	37.5		1.2	20.0	12.0	4.2
DCLT4SY 500-25-2	25	42.5	28.0	37.0	37.5	10.0	1.2	20.0	14.0	4.2
DCLT4SY 500-35	35	42.5	30.0	45.0	37.5		1.2	20.0	12.0	3.0
DCLT4SY 500-35-2	35	42.5	30.0	45.0	37.5	20.0	1.2	20.0	17.0	2.5
DCLT4SY 500-40	40	42.5	33.0	45.0	37.5		1.2	20.0	12.0	2.8
DCLT4SY 500-40-2	40	42.5	33.0	45.0	37.5	20.0	1.2	20.0	19.0	2.4
DCLT4SY 500-50	50	57.5	30.0	45.0	52.5		1.2	13.0	12.0	4.0
DCLT4SY 500-50-2	50	57.5	30.0	45.0	52.5	20.0	1.2	13.0	17.0	3.5
DCLT4SY 500-65	65	57.5	35.0	50.0	52.5		1.2	13.0	12.0	3.3
DCLT4SY 500-65-2	65	57.5	35.0	50.0	52.5	20.0	1.2	13.0	20.0	2.7
Un= 700V.dc										
DCLT4SY 700-15	15	42.5	22.0	30.0	37.5		1.2	22.0	10.0	8.0
DCLT4SY 700-22	22	42.5	28.0	37.0	37.5		1.2	22.0	12.0	5.5
DCLT4SY 700-22-2	22	42.5	28.0	37.0	37.5	10.0	1.2	22.0	12.0	5.2
DCLT4SY 700-30	30	42.5	30.0	45.0	37.5		1.2	22.0	12.0	4.0
DCLT4SY 700-30-2	30	42.5	30.0	45.0	37.5	20.0	1.2	22.0	15.0	3.5
DCLT4SY 700-35	35	42.5	33.0	45.0	37.5		1.2	22.0	12.0	3.5
DCLT4SY 700-45	45	57.5	30.0	45.0	52.5		1.2	15.0	12.0	5.3
DCLT4SY 700-45-2	45	57.5	30.0	45.0	52.5	20.0	1.2	15.0	20.0	3.5
DCLT4SY 700-55	55	57.5	35.0	50.0	52.5		1.2	15.0	12.0	4.3
DCLT4SY 700-55-2	55	57.5	35.0	50.0	52.5	20.0	1.2	15.0	22.0	2.8
Un= 900V.dc										
DCLT4SY 900-10	10	42.5	22.0	30.0	37.5		1.2	30.0	8.0	9.5
DCLT4SY 900-15	15	42.5	28.0	37.0	37.5		1.2	30.0	11.0	6.5
DCLT4SY 900-15-2	15	42.5	28.0	37.0	37.5	10.0	1.2	30.0	11.0	6.0
DCLT4SY 900-20	20	42.5	30.0	45.0	37.5		1.2	30.0	12.0	5.0
DCLT4SY 900-20-2	20	42.5	30.0	45.0	37.5	20.0	1.2	30.0	13.0	4.5
DCLT4SY 900-30	30	57.5	30.0	45.0	52.5		1.2	20.0	12.0	6.3
DCLT4SY 900-30-2	30	57.5	30.0	45.0	52.5	20.0	1.2	20.0	16.0	5.9
DCLT4SY 900-40	40	57.5	35.0	50.0	52.5		1.2	20.0	12.0	4.9
DCLT4SY 900-40-2	40	57.5	35.0	50.0	52.5	20.0	1.2	20.0	20.0	4.5
DCLT4SY 900-55-2	55	57.5	42.5	56.0	52.5	20.0	1.2	20.0	22.0	3.1
Un= 1100V.dc										
DCLT4SY 1100-5	5	42.5	22.0	30.0	37.5		1.2	40.0	6.0	13.0
DCLT4SY 1100-10	10	42.5	28.0	37.0	37.5		1.2	40.0	10.0	8.0
DCLT4SY 1100-10-2	10	42.5	28.0	37.0	37.5	10.0	1.2	40.0	10.0	7.5
DCLT4SY 1100-15	15	42.5	33.0	45.0	37.5		1.2	40.0	12.0	5.5
DCLT4SY 1100-15-2	15	42.5	33.0	45.0	37.5	20.0	1.2	40.0	13.0	5.0
DCLT4SY 1100-22	22	57.5	30.0	45.0	52.5		1.2	27.0	12.0	7.0
DCLT4SY 1100-22-2	22	57.5	30.0	45.0	52.5	20.0	1.2	27.0	14.0	6.5
DCLT4SY 1100-25	25	57.5	35.0	50.0	52.5		1.2	27.0	12.0	6.3
DCLT4SY 1100-25-2	25	57.5	35.0	50.0	52.5	20.0	1.2	27.0	16.0	6.0
DCLT4SY 1100-40-2	40	57.5	42.5	56.0	52.5	20.0	1.2	27.0	20.0	3.5

注：特殊规格，可按客户需求定制。

Note: Customized products are available upon request.