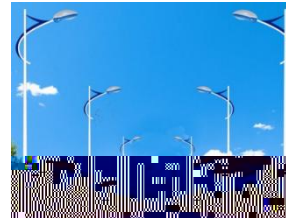


Outline Drawing



Applications

- ◆ 合
变器、光伏变器、LED
业和、充电器
- ◆ High performance DC filtering applications
Frequency converters, PV micro inverters, LED street lighting, Industrial and high-end power supplies, On board chargers EV/HEV



Features

- ◆ 低全
- ◆ 低串力
- ◆ 低命
- ◆ 低
- ◆ 低
- ◆ 低
- ◆ Slim line Low building height segmented metalized-film design
- ◆ Low ESR, high ripple current handling capabilities
- ◆ Low ESL
- ◆ Long Lifetime
- ◆ Self-healing property
- ◆ Filled with resin



产品 则 10 位

The 10 digits part number is formed as follow.

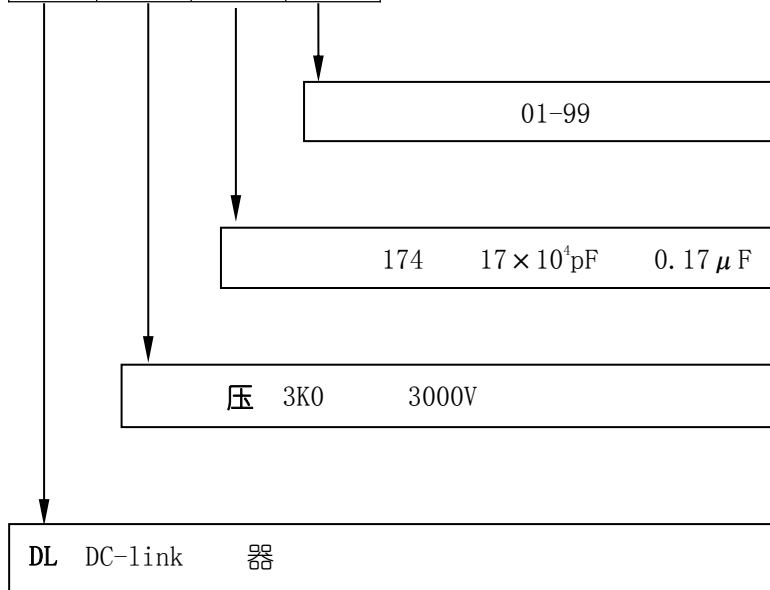
号代

Model type code:

DL***:DC-Link 器 DC-link capacitor

1 2 3 4 5 6 7 8 9 10

DL	3K0	174	01
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例 DC-Link 器 3000V0.17 μF
DL3K0174**



Specifications

准 Reference Standard	GB/T17702 IEC61071			
候 别 Climatic Category	40/85/56;40/105/56			
作 围 Operating Temperature Range	-40℃~105℃ θ_{hs} 105℃ $\theta_{hs}=85℃\sim 105℃$ decreasing factor 1.5% per for U_N			
压 U_N Rated Voltage 85℃	500VAC	1000VAC	2000VAC	3000VAC
围 C_N Capacitance Range C_N	0.01 μF ~10 μF			
偏 Capacitance Tolerance	±5% J 、 ±10% K			
压 Voltage Proof	1.5 U_N 10S 20±5℃			
Insulation Resistance $R \times C_N$	10,000S(@20℃ 500Vdc 1min)			
Ls Self Inductance Ls	1nH per mm of lead spacing			
f Frequency f	10KHz~200KHz			
值 \hat{i} Maximum peak current				



参 Technical data

Un400Vdc Urms 250Vac							
C_n	L	D	Outout	dV/dt	Irms	ESR	Part Number
μF	mm	mm	M	V/ μs	A	m Ω	
20	40	44	M6	70	27	3.5	DL40020601
25	50	47	M6	60	32	3.0	DL40025601
30	50	50	M6	60	37	2.8	DL40030601
40	50	58	M6	60	46	2.5	DL40040601
50	50	64	M6	60	54	2.2	DL40050601
60	60	57	M6	60	46	2.9	DL40060601
80	60	66	M6	60	56	2.0	
100	60	74	M6	80	66	1.8	DL40010701
150	64	90	M8	30	90	1.6	DL40015701
200	64	104	M8	30	100	1.2	DL40020701

Un800Vdc Urms 400Vac							
C_n	L	D	Outout	dV/dt	Irms	ESR	Part Number
μF	mm	mm	M	V/ μs	A	m Ω	
10	40	42	M6	80	25	4.5	DL80010601
15	50	44	M6	70	32	3.3	DL80015601
20							



Un1000Vdc Urms 500Vac							
C_n	L	D	Outout	dV/dt	Irms	ESR	Part Number
μF	mm	mm	M	V/ μs	A	m Ω	
5	50	41	M6	120	23	5.4	DL1K050501
10	50	58	M6	120	38	3.2	DL1K010601
15	50	70	M8	120	52	2.5	DL1K015601
15	64	58	M6	80	38	2.9	DL1K015602
20	64	66	M6	80	47	3.1	DL1K020601
25	64	74	M6	80	55	2.7	DL1K025601
30	64	81	M8	80	65	2.4	DL1K030601
40	64	93	M8	80	78	2.1	DL1K040601
50	64	104	M8	80	90	2.0	DL1K050601

Un1200Vdc Urms 520Vac							
C_n	L	D	Outout	dV/dt	Irms	ESR	Part Number
μF	mm	mm	M	V/ μs	A	m Ω	
5	40	44	M6	120	23	5.0	DL1K250501
10	50	58	M6	100	38	3.3	DL1K210601
15	50	70	M6	100	52	2.6	DL1K215601
20	60	66	M6	80	45	3.3	DL1K220601
25	60	74	M6	80	55	3.0	DL1K225601
30	64	81	M6	80	65	2.6	DL1K230601
40	64	93	M8	80	78	2.3	DL1K240601
50	64	104	M8	80	90	2.0	DL1K250601

*以上仅列出 可依 制 。

