

W3P W8511 series

干式滤波电容器（定制品）
DC-Link Capacitor (Customized products)

■ 外形图 Outline Drawing 外形尺寸 Dimensions (mm)



W3P W8511 series

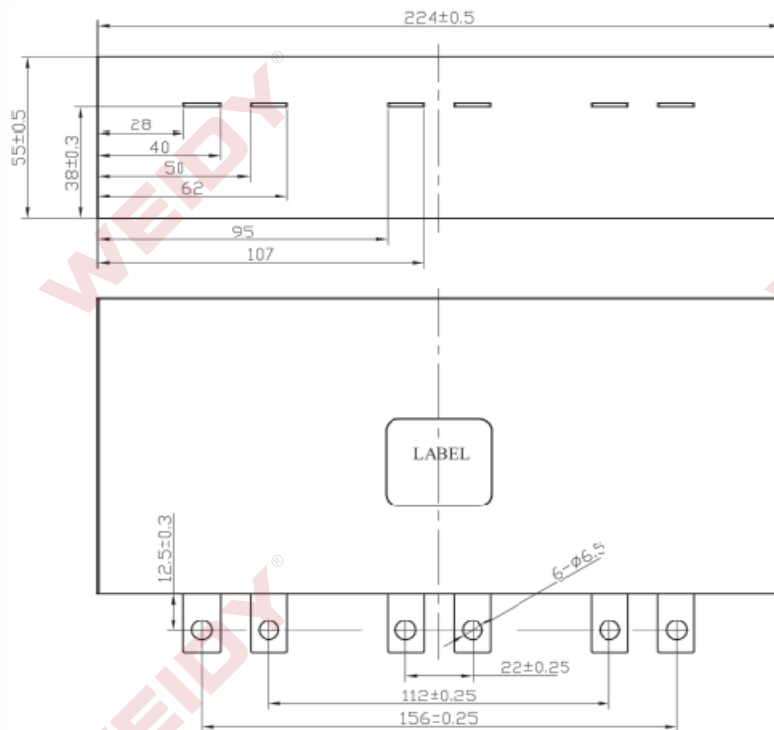


figure1

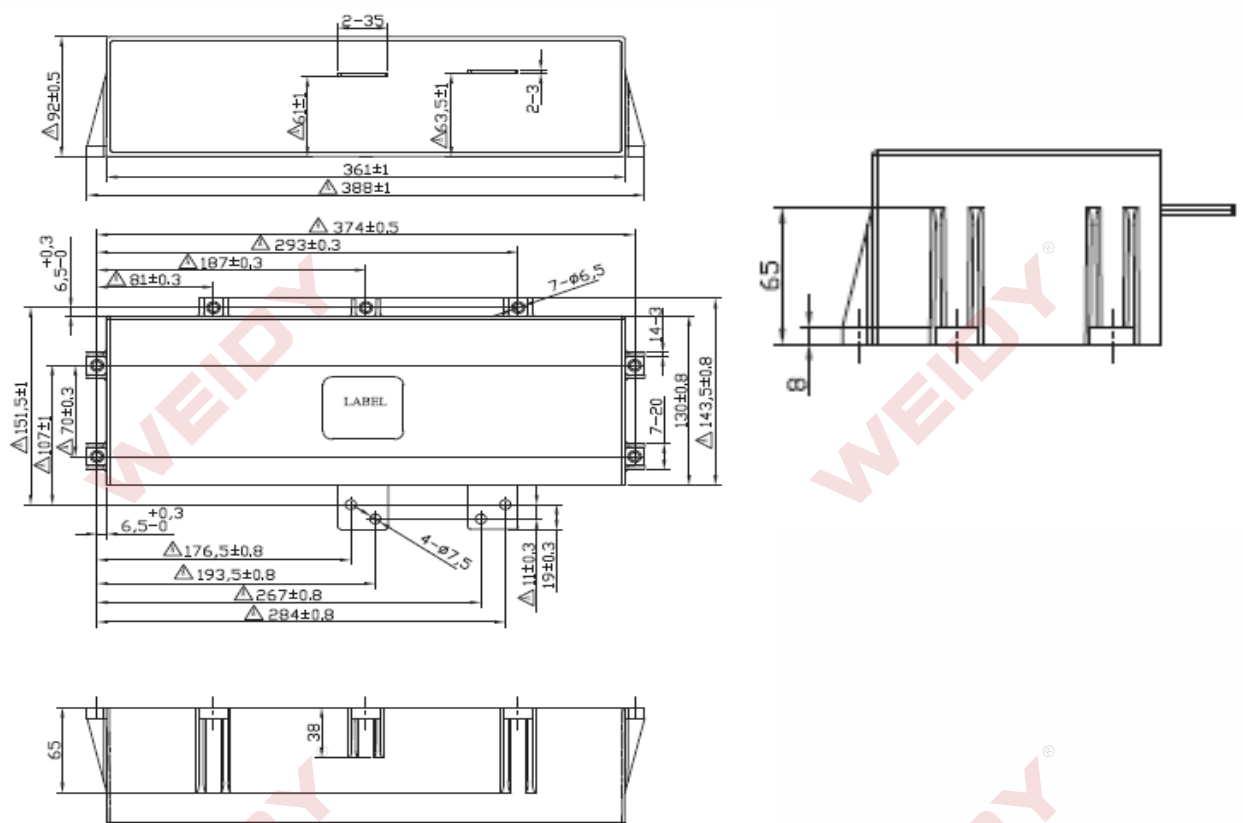


Figure2

W3P W8511 series

■ 特点

- 高安全性 (内置保险功能)
- 由于带保险功能, 失效状态为开路
- 低ESR, 容许纹波电流大, 低ESL
- 实现组件化 (平滑用·滤波器用·缓冲器用)

■ 主要用途

- 交通工具, 如: 电动车和 混合动力
- 汽车用或逆变器平滑电路用

■ 技术要求 Specifications

■ Features

- High safety(safety function installed)
- No catastrophic failure upon natural end of life due to inbuilt fuse function
- Low ESR (High ripple current capability), and Low ESL
- Possible incorporation of DC-Link, filtering, and snubber capacitor, all together in one module

■ Typical Application

- HEV/EV inverter circuits (DC-Link , filtering , and snubber)
- Cars with smooth or inverter circuit

引用标准Reference Standard	IEC 61071 (GB/T 17702)	
气候类别Climatic Category	40/105/56	
自感Ls	20nH ~ 55nH	
工作温度范围 Operating Temperature Range	-40°C ~ 105°C	
电容量允许偏差Capacitance Tolerance	K:±10%	
介质损耗角正切Dissipation factor tgδ	≤0.002	
贮存温度范围 Storage Temperature Range	-40°C ~ 105°C (+85°Cto+105°C : decreasing factor 1.25%per°Cfor VR (dc))	
额定电压 Rated Voltage	500Vdc ~ 900Vdc	
耐电压 Voltage Proof	极间 Between Terminals:	1.5V _N (10s , 20°C±5°C)
	极壳之间 Between Terminals And Case :	3000Vac (10s , 50Hz , 20°C±5°C)
重量 Weigt	≈2.0kg (定制品 图片尺寸仅供参考) Image dimensions are for reference only	

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产品代码说明 Part number system

■ 18 位产品代码说明如下：

The 18 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□

W 3 P

第 1~3 位：型号代码

W3P=W8511

第 4~5 位：额定电压

L2=230VAC S1=440VAC T1=540VAC
U2=690VAC V2=760VAC K3=850VAC

第 6~8 位：标称容量

举例：0130 = 3*13μf

第 9 位：容量偏差

J=±5%, K=±10%, M=±20%

第 10~18 位：内部特征码

Digit 1 to 3: Series code

W3P=W8511

Digit 4 to 5: rated voltage

L2=230VAC S1=440VAC T1=540VAC
U2=690VAC V2=760VAC K3=850VAC

Digit 6 to 8: Rated capacitance

For example: 0130 = 3*13μf

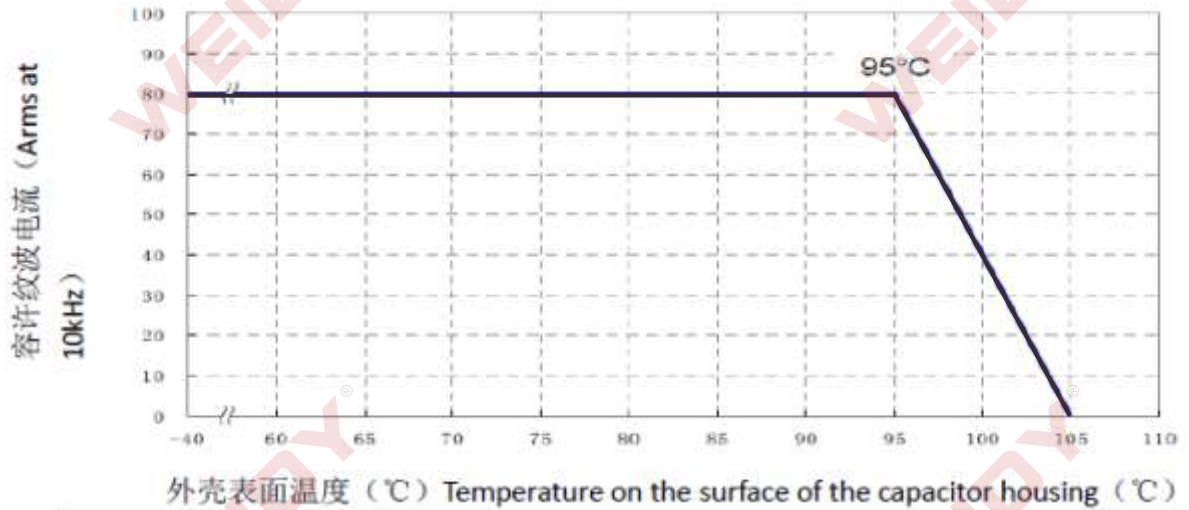
Digit 9: Capacitance tolerance

J=±5%, K=±10%, M=±20%

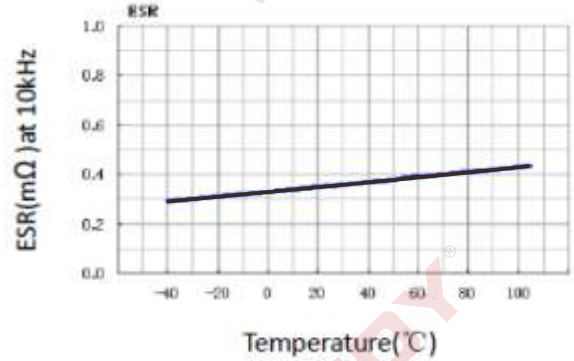
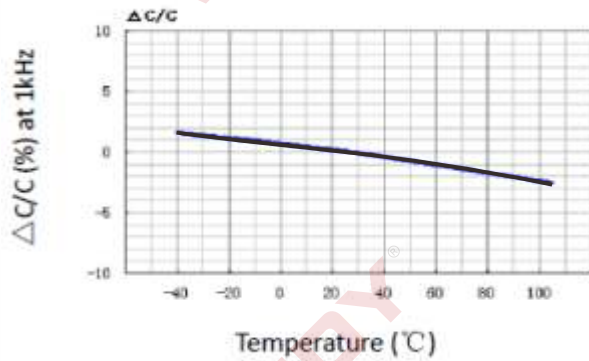
Digit 10 to 18: Internal use

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■ 电流下降曲线 Current Derating



■ 温度特性曲线 Temperature characteristic curve



■ 频率特性曲线 Frequency curve

