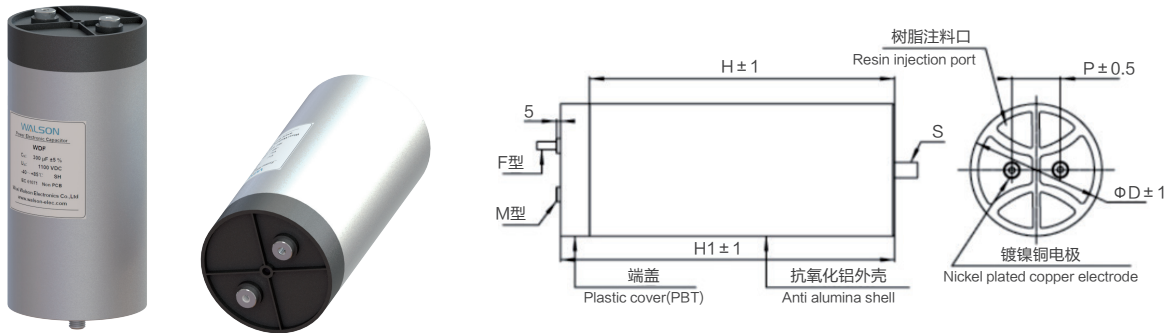


WDF 铝壳干式直流滤波电容器

DC-Link Capacitor (Dry-Type, Aluminum case)

外形图 Outline Drawing



单位 Unit: mm

特点 Features

- 铝外壳封装，高温高导热填充料填充
- 铜螺母、铜螺杆引出，阻燃绝缘塑料壳盖，安装简单方便
- 容值高，体积小，自愈性好，耐压高
- 大纹波电流，高DV/DT承受能力
- Aluminum housing package, filled with high temperature and high heat-conductive material
- Copper nut, copper screw extraction and insulated plastic cover installation is simple and convenient, flame retardant
- High capacitance, small size, good self-healing property, high voltage proof
- Large ripple current, high DV/DT bearing capacity

主要用途 Typical Applications

- 广泛应用于DC-Link电路中，作滤波储能用
- 能替代电解电容，性能更优，寿命更长
- 风能发电，光伏发电用逆变器，各种变频器，电动汽车及混合动力车，SVG，电焊机，电源，感应加热设备
- Widely used in DC-Link circuit for filtering energy storage
- Can replace electrolytic capacitors, better performance and longer life
- Wind power, photovoltaic power inverter, electric vehicles and hybrid vehicles, SVG, welding equipment, power supplies and induction heating equipment

技术要求 Specifications

执行标准 Implemented Standard	GB/T 17702、IEC61071
气候等级 Climatic Category	40/85/56
额定电压 Rated Voltage	450V.DC~4000V.DC
容量范围 Capacitance Range	10 μF ~ 8800 μF
容量偏差 Capacitance Tolerance	±5% (J), ±10% (K)
极间耐压 Voltage Test Between Terminals	1.5Un (VDC) /10S
极壳耐压 Voltage test between terminals and case	1000+2 × Un/√2V.AC 60S
绝缘电阻 Insulation resistance	≥10000 s (100V, 1min, 20℃)

■ 外形尺寸 Dimensions (mm)

ΦD	76	86	86	96	116	136
P	32	32	45	45	50	50
S	M12×16	M12×16	M12×16	M12×16	M12×25	M12×25
M螺母	M6×10	M6×10	M6×10	M6×10	M6×10	M6×10
F螺杆	M8×20	M8×20	M8×20	M8×20	M8×20	M8×20

■ 规格参数 Specification Parameter

U_n (V.DC)	C_N (μF)	ΦD (mm)	H1 (mm)	ESR ($m\Omega$)	DV/DT (V/ μs)	$I_{rms}(A)$ @40°C
600	480~5600	76~136	80~350	≤ 2.5	3~12	50~100
800	290~3200	76~136	80~350	≤ 3.0	5~15	50~100
1000	220~2500	76~136	80~350	≤ 3.5	6~15	50~100
1100	180~2200	76~136	80~350	≤ 4.0	7~16	50~100
1200	140~1700	76~136	80~350	≤ 4.0	8~16	50~100
1400	100~1300	76~136	80~350	≤ 5.0	8~17	50~100
1500	90~1100	76~136	80~350	≤ 5.0	10~17	50~100
2000	90~640	86~136	80~350	≤ 4.0	12~18	45~100
2200	80~520	86~136	80~350	≤ 4.0	15~22	45~100
2400	70~500	86~136	80~350	≤ 4.5	20~35	45~100
2600	60~350	86~136	80~350	≤ 5.0	25~40	45~100
2800	50~300	86~136	80~350	≤ 5.0	30~50	45~100
3000	40~240	86~136	80~350	≤ 5.0	35~55	40~100
3200	40~220	86~136	80~350	≤ 5.0	35~60	40~100
4000	20~150	86~136	80~350	≤ 5.0	40~90	45~100