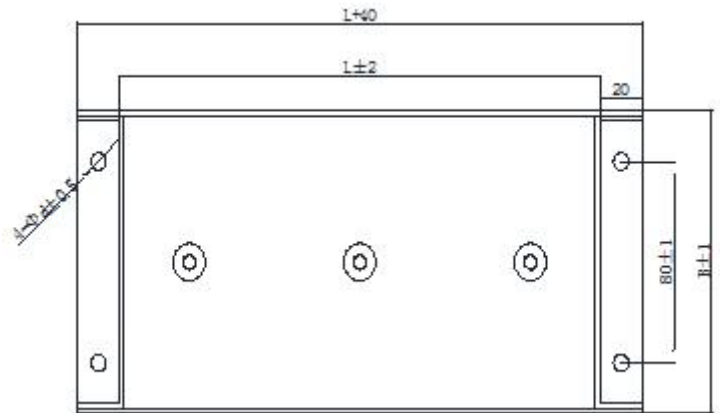
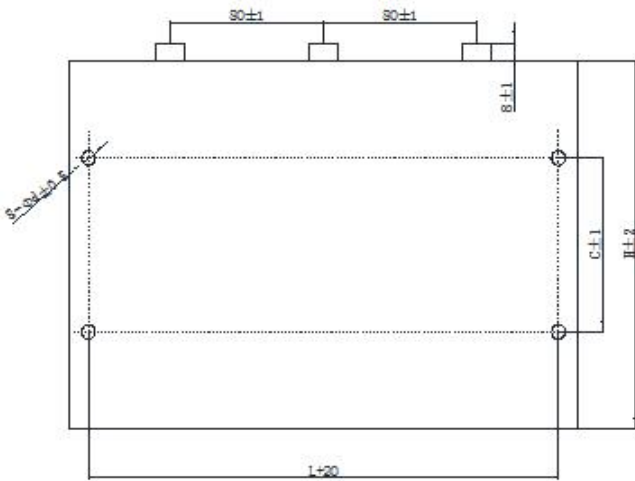




金屬化聚丙烯薄膜電容 (FME) 交流濾波 METALLIZED POLYPROPYLENE FILM CAPACITOR (FME) AC FILTER



產品結構 Product structure

- ◆ 電介子：金屬化聚丙烯薄膜
Dielectric: metallized polypropylene film
- ◆ 引出電極：鍍錫銅端子
Lead-out electrode: Tin Copper Terminal
- ◆ 封裝：鋁金屬外殼，樹脂填充
Encapsulation: aluminum case, resin filled

產品特點 Product characteristics

- ◆ 高電容密度
High capacitance density
- ◆ 高紋波電流
High Ripple Current
- ◆ 優良的自愈性
Excellent self-healing

推薦應用 Recommended applications

- ◆ 逆變器
Inverter
- ◆ AC 濾波
AC filter

電氣特性 Electrical characteristics

引用標準 Reference Standard	IEC61071/GBT17702-2021 AEC-Q200
工作溫度 Operating temperature	-40 ~ +85°C
容量範圍 Capacity Range	3*20 ~ 3*500µf
額定電壓 Rated voltage	400 ~ 1000VAC
容量誤差 Capacity error	±5% (J) ±10% (K)
損耗因素 Loss Factor	0.002 @ 100Hz 20°C±5°C
預期壽命 Life expectancy	100000hrs @ Un , θhs=70°C



極間電壓 Inter-pole voltage	1.5Urms/50Hz , 10s@20°C±5°C
極殼電壓 Polar shell voltage	Un ≤1500Vdc , 3000Vac (10s , 50Hz , 20°C±5°C) Un >1500Vdc , (1.5Un+1000) Vac (10s , 50Hz , 20°C±5°C)
絕緣電阻 Insulation Resistance	(IR × Cn) 30000s (20°C , 100Vdc , 1min)
最高使用海拔 Maximum altitude used	2000m

TYPE: FME		SPECIFICATION					ELECTRICAL CHARACTERISTICS					
技術參數 Technical data												
Un (VDC)	CAP (uF)	Dimension (mm)					Irms @45°C@10KHz A	ESR @1KHz (mΩ)	Rth (K/W)	Weight (kg)	Ls (nH)	
		L	B	H	C	d						
Urms 400VAC Un 565V												
400	3×200	225	120	170	80	7	3×90	3×0.95	1.11	6.2	90	
	3×300	225	120	235	100	7	3×115	3×0.88	0.86	8.7	90	
	3×400	295	120	235	100	9	3×155	3×0.83	0.71	11.2	100	
	3×500	365	120	235	120	9	3×160	3×0.80	0.60	14.5	100	
Urms 500VAC Un 707V												
500	3×120	225	120	170	80	7	3×65	3×1.0	1.11	6.2	90	
	3×180	225	120	235	100	7	3×80	3×0.92	0.86	8.7	90	
	3×240	295	120	235	100	9	3×105	3×0.86	0.71	11.2	100	
	3×300	365	120	235	120	9	3×130	3×0.83	0.60	14.5	100	
Urms 550VAC Un 780V												
550	3×90	225	120	170	80	7	3×55	3×1.86	1.11	6.2	90	
	3×135	225	120	235	100	7	3×80	3×1.49	0.86	8.7	90	
	3×180	295	120	235	100	9	3×105	3×1.28	0.71	11.2	100	
	3×225	365	120	235	120	9	3×130	3×1.19	0.60	14.5	100	
Urms 690VAC Un 975V												
690	3×50	225	120	170	80	7	3×55	3×2.03	1.11	6.2	90	
	3×75	225	120	235	100	7	3×80	3×1.64	0.86	8.7	90	
	3×100	295	120	235	100	9	3×105	3×1.39	0.71	11.2	100	
	3×125	365	120	235	120	9	3×130	3×1.28	0.60	14.5	100	
Urms 850VAC Un 1200V												
850	3×30	225	120	170	80	7	3×40	3×2.36	1.11	6.2	90	
	3×45	225	120	235	100	7	3×65	3×1.85	0.86	8.7	90	
	3×65	295	120	235	100	9	3×95	3×1.50	0.71	11.2	100	



TYPE: FME SPECIFICATION

ELECTRICAL CHARACTERISTICS

技術參數 Technical data

Un (VDC)	CAP (uF)	Dimension (mm)					I rms @45°C@10KHz A	ESR @1KHz (mΩ)	Rth (K/W)	Weight (kg)	Ls (nH)
		L	B	H	C	d					
Urms 850VAC Un 1200V											
850	3×200	225	120	170	80	7	3×90	3×0.95	1.11	6.2	100
Urms 1000VAC Un 1410V											
1000	3×120	225	120	170	80	7	3×65	3×1.0	1.11	6.2	90
	3×180	225	120	235	100	7	3×80	3×0.92	0.86	8.7	90
	3×240	295	120	235	100	9	3×105	3×0.86	0.71	11.2	100
	3×300	365	120	235	120	9	3×130	3×0.83	0.60	14.5	100

壽命曲線圖 Expected Lifetime curve

