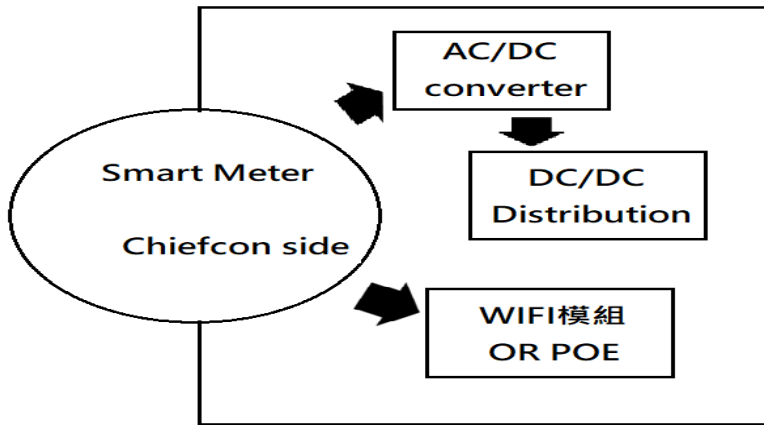



The quick selection scheme of Chiefcon electronic smart meter

Editor: Chiefcon Jose Liu

Because the smart meter is the current trend of power use, in the case of more and more complex electricity environment, the device on the meter also need to bear more stringent conditions, and Chiefcon Electronics also provides a complete solution for the use of safety capacitors on the meter.



In  region, the front-end filter provides a complete safety option for both single-phase and three-equal products.

Chiefcon capacitor features

1. Our company has a complete safety program and voltage range
2. Complete dual 85 scheme (168Hrs、500Hrs、1000Hrs)
3. Quality ability better than the same industry: constantly develop and update products, through safety regulations to make customers choose more easily.
4. Design ability better than the same industry: effectively solve customers in the use of the same industry products encountered by the failure of capacity and bad lightning problems.

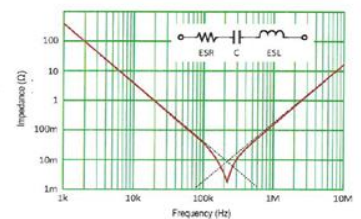


圖 1：電容阻抗圖

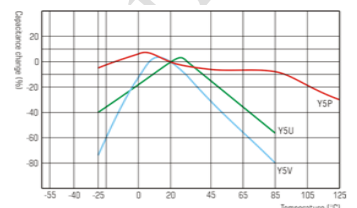


圖 2

5. The X capacitor is designed with a low ESR (Figure 1), allowing the electricity to be safely protected from external influences in complex input voltages.
6. The high-capacity Y1 0.1uF Y5u can completely replace Vishay and TDK meter solutions, so customers are not subject to temperature considerations. (figure 2)

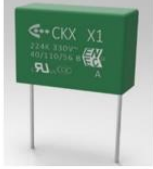


AC/DC Distribution

Material	Chiefcon Series	Capacitance Range	Rated Voltage	
Film	X1	0.001~10μF	250/275/300/310/330/350/400VAC	
		0.001~10μF	440/480VAC	Support three-phase products
		0.001~4.7μF	500VAC	Support three-phase products
	X2	0.001~55μF	275/300/310/330VAC	
		0.001~10μF	350/400VAC	
		0.001~10μF	440/480VAC	Support three-phase products
	Y1	0.00047~0.1μF	250/275/300/310/330/350/400/440/480/500VAC	
	Y2	0.00047~4.7μF	250/275/300/310/330/350/400/440/480/500VAC	
Ceramic	Y1	1~15000pF	250/400/500Vac	103 have Y5U scheme
	Y2	1~15000pF	250/300/500Vac	

DC/DC Distribution

Material	Chiefcon Series	Capacitance Range	Rated Voltage	First in the industry to acquire
Film	X1	0.001~10μF	800/1000/1350/1500VDC	First in the industry to acquire
	X2	0.001~10μF	800/1000/1350/1500VDC	First in the industry to acquire
	Y2	0.001~0.1μF	800/1000/1350/1500VDC	First in the industry to acquire

In WiFi module and POE, Chiefcon provides complete selection instructions for several power supply solutions.

Safety Capacitor		X1/X2 Y1/Y2	The miniaturization design provides better loop configuration
PFC Capacitor		MMP Series	Attach importance to the longevity of high frequency design
LLC Capacitor		PMP、PMM、PMD、PPS	The most complete resonant process, the complete culvert is used in the absorption of each risk