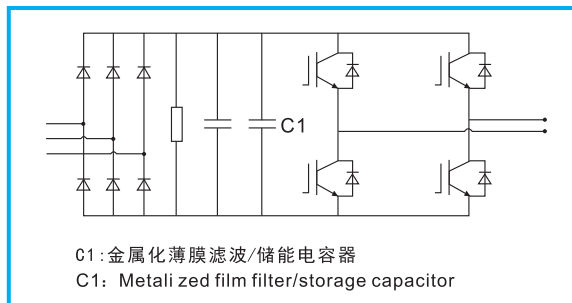


## » 金属化薄膜滤波/储能电容器

### Metallized film filter/storage capacitor

典型线路图/Typical circuit



外形图/Outline drawing



#### 特点/Feature

- 用物直流滤波电路中，可替代电解电容
- 等效串联电阻小，能承受较大的纹波电流
- 自感小，温升低，寿命长
- 安装简单方便
- Widely used in DC Filter circuit to replace electrolytic Capacitors.
- Low ESR and support high ripple current.
- Low stray inductance, low temperature and long life Expectance.
- Simple installation

#### 应用场合/ Applications

- SVG动态无功补偿设备
- 太阳能发电，风力发电用逆变器上
- 变频器
- UPS, 电焊机，电源
- 机车，电动汽车和混合动力车
- SVG equipment
- Solar & Wind Power inverters
- Converters, power supply for Train
- Electronic vehicle and hybrid train.

#### 性能指标/Technical data

|        |                                   |                                                                                               |
|--------|-----------------------------------|-----------------------------------------------------------------------------------------------|
| 引用标准   | Reference to Standard             | GB/T17702                                                                                     |
| 结构形式   | Structure                         | 金属化自愈式直流滤波电容，产品为干式<br>Metallized self-healing DC-Link filter capacitor, Dry type              |
| 封装     | Encapsulation                     | 银色 铝外壳，环氧封装<br>Silver colour, Aluminum case, Epoxy resin                                      |
| 容量范围   | Capacitance Range                 | 100-2600 $\mu$ F                                                                              |
| 容量允许偏差 | Capacitance Tolerance             | $\pm 5\%$ (J), $\pm 10\%$ (K)                                                                 |
| 电压范围   | Voltage Range                     | 600V.DC~2200V.DC                                                                              |
| 极壳耐压   | Utc                               | 2Ui+1000V.AC/10S (50Hz) ( $\geq 2000$ V.AC) 《或根据客户需求》<br>or (Refer to customer's requirement) |
| 极间耐压   | Utt                               | 1.5un/10S                                                                                     |
| 损耗角    | Dissipation Factor (tg $\delta$ ) | tg $\delta \leq 0.003$ (at 100Hz)                                                             |
| 绝缘电阻   | Insulation Resistance             | Ri x C $\geq 5000$ s                                                                          |
| 气候类别   | Climate Category                  | 40/85/21                                                                                      |
| 工作温度范围 | Working Temperature               | -40°C~70°C(最大85°C)                                                                            |
| 储存温度范围 | Storage Temperature               | -40°C~85°C                                                                                    |
| 使用海拔   | Height                            | <2000m                                                                                        |
| 最大电极扭矩 | Max Electrode Torque              | M6: 3N.m                                                                                      |

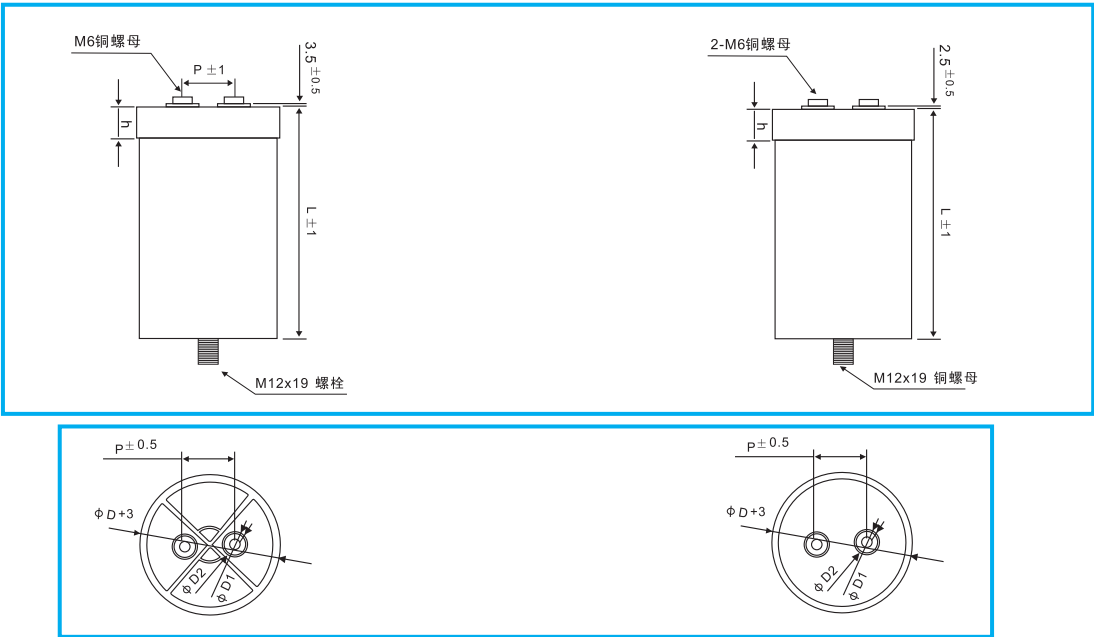
» 金属化薄膜滤波/储能电容器

Metallized film filter/storage capacitor

|        |                    |         |
|--------|--------------------|---------|
| 最大安装扭矩 | Max Install Torque | 10N,m   |
| 预期寿命   | Life expectancy    | 100000h |
| 阻燃性    | Flame Retardation  | UL94v-0 |
| 失效率    | Fail Rate          | 30FIT   |

备注：如果海拔使用高度超过了2000m, 应该考虑海拔对对流冷却和外绝缘的影响。  
Note:It should take consideration regarding to convectional cooking and outter insulation as long as the height is exceed 2000m.

外形图/Outline drawing



性能指标/ Technical data

| 电压<br>(V.DC) | 容量<br>( $\mu$ F) | 等效串联<br>电阻(m $\Omega$ ) | 杂散电感<br>(nH) | 纹波电流<br>有效值(A) | 脉冲电流<br>(A) | L<br>(mm) | $\phi$ D<br>(mm) | 重量<br>(kg) | 物料编码<br>(Part number) |
|--------------|------------------|-------------------------|--------------|----------------|-------------|-----------|------------------|------------|-----------------------|
| 600          | 470              | 1.5                     | 60           | 60             | 2350        | 180       | 76               | 1          | H7TX2J477JZ0G02       |
|              | 510              | 1.4                     | 40           | 60             | 2550        | 130       | 86               | 1          | H7TX2J517JZ0G02       |
|              | 1050             | 1                       | 80           | 70             | 4200        | 225       | 86               | 1.8        | H7TX2J108JZ0G02       |
|              | 2000             | 0.5                     | 80           | 80             | 8000        | 227       | 116              | 3.1        | H7TX2J208JZ0G02       |
| 800          | 450              | 2                       | 50           | 60             | 2700        | 145       | 76               | 0.9        | H7TX2K457JZ0G02       |
|              | 510              | 1.7                     | 40           | 40             | 1530        | 130       | 86               | 1          | H7TX2K517JZ0G02       |
|              | 600              | 1.5                     | 60           | 60             | 3600        | 180       | 76               | 1          | H7TX2K607JZ0G02       |
|              | 750              | 1.1                     | 60           | 70             | 4500        | 180       | 86               | 1.5        | H7TX2K757JZ0G02       |
|              | 1000             | 1                       | 80           | 70             | 6000        | 225       | 86               | 1.8        | H7TX3P108JZ0G02       |
| 1100         | 2000             | 0.8                     | 80           | 80             | 8000        | 227       | 116              | 3.1        | H7TX3P208JZ0G02       |
|              | 250              | 4                       | 40           | 35             | 1500        | 130       | 76               | 0.7        | H7TX3P257JZ0G02       |
|              | 330              | 3.2                     | 40           | 40             | 2000        | 130       | 86               | 0.9        | H7TX3P337JZ0G02       |
|              | 420              | 2.0                     | 40           | 40             | 2100        | 136       | 86               | 1.1        | H7TX3P427JZ0G02       |

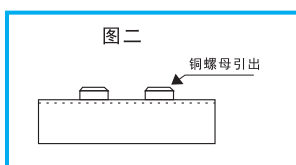
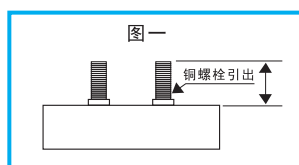
## » 金属化薄膜滤波/储能电容器

### Metallized film filter/storage capacitor

| 电压<br>(V.DC) | 容量<br>( $\mu$ F) | 等效串联<br>电阻(m $\Omega$ ) | 杂散电感<br>(nH) | 纹波电流<br>有效值(A) | 脉冲电流<br>(A) | L<br>(mm) | $\phi$ D<br>(mm) | 重量<br>(kg) | 物料编码<br>(Part number) |
|--------------|------------------|-------------------------|--------------|----------------|-------------|-----------|------------------|------------|-----------------------|
| 1100         | 420              | 1.8                     | 50           | 60             | 3000        | 155       | 86               | 1.3        | H7TX3P427JZ0G02       |
|              | 500              | 1.5                     | 60           | 70             | 5000        | 180       | 86               | 1.5        | H7TX3P507JZ0G02       |
|              | 680              | 1.8                     | 80           | 75             | 6800        | 225       | 86               | 1.8        | H7TX3P687JZ0G02       |
|              | 750              | 1.2                     | 80           | 75             | 7500        | 227       | 96               | 2.2        | H7TX3P757JZ0G02       |
|              | 940              | 0.8                     | 60           | 80             | 8000        | 182       | 116              | 2.5        | H7TX3P947JZ0G02       |
|              | 1250             | 1.1                     | 80           | 85             | 9000        | 227       | 116              | 3.1        | H7TX3P128JZ0G02       |
| 1200         | 300              | 4                       | 40           | 40             | 2000        | 132       | 96               | 1.3        | H7TX3B307JZ0G02       |
|              | 470              | 3                       | 80           | 70             | 4700        | 225       | 86               | 1.8        | H7TX3B477JZ0G02       |
|              | 600              | 3                       | 80           | 70             | 6000        | 227       | 96               | 2.2        | H7TX3B607JZ0G02       |
|              | 850              | 2.8                     | 80           | 80             | 8500        | 227       | 116              | 3.1        | H7TX3B857JZ0G02       |
| 1600         | 200              | 4.5                     | 60           | 60             | 2000        | 180       | 76               | 1          | H7TX3C207JZ0G02       |
|              | 350              | 3.6                     | 80           | 65             | 3500        | 225       | 86               | 1.8        | H7TX3C357JZ0G02       |
|              | 450              | 3                       | 80           | 70             | 4500        | 227       | 96               | 2.2        | H7TX3C457JZ0G02       |
|              | 470              | 2.8                     | 60           | 75             | 4700        | 182       | 116              | 2.5        | H7TX3C477JZ0G02       |
|              | 650              | 3                       | 80           | 75             | 6500        | 227       | 116              | 3.1        | H7TX3C657JZ0G02       |
| 2000         | 100              | 12                      | 40           | 30             | 1000        | 130       | 76               | 0.8        | H7TX3D107JZ0G02       |
|              | 200              | 7                       | 60           | 50             | 2000        | 180       | 86               | 1.5        | H7TX3D207JZ0G02       |
|              | 250              | 6.8                     | 60           | 55             | 2500        | 182       | 96               | 1.8        | H7TX3D257JZ0G02       |
|              | 360              | 4.5                     | 60           | 65             | 3600        | 182       | 116              | 2.5        | H7TX3D367JZ0G02       |
| 2200         | 190              | 12                      | 40           | 55             | 1900        | 132       | 116              | 1.8        | H7TX3Q197JZ0G02       |
|              | 280              | 10                      | 60           | 60             | 2800        | 182       | 116              | 2.5        | H7TX3Q287JZ0G02       |
|              | 390              | 8                       | 80           | 65             | 3900        | 227       | 116              | 3.1        | H7TX3Q397JZ0G02       |

备注：以上规格供选型参考，如有特殊需求可另行设计。

The above demension is for your reference,or special size and items on request.



| $\phi$ D(mm) | P(mm) | D1(mm) | D2(mm) | H(mm) | 可参考图 |
|--------------|-------|--------|--------|-------|------|
| 76/86        | 32    | 15     | 18     | 20    | 一/二  |
|              | 36    | 15     | 18     | 30    |      |
| 96           | 45    | 15     | 18     | 30    | 二    |
| 116          | 45    | 15     | 18     | 30    | 二    |

#### 预期寿命曲线/Lifetime expectancy

