

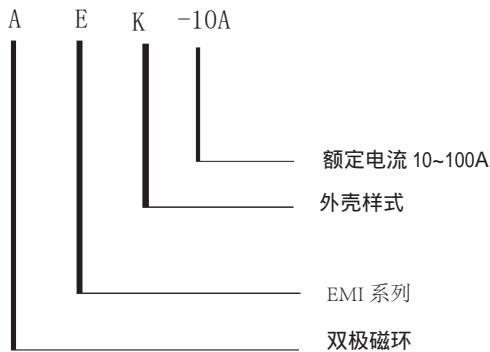
**ZYH-A系列高插入损耗EMI电源滤波器**  
**ZYH-A series differential model choke strengthened EMI filter**

**A系列 : A Series**

**特点和应用: Features and Applications**

很高的差模和共模衰减特性  
very high differential and common mode attenuation  
含有差模线圈, 对低频具有很高的衰减  
Good low-frequency attenuation for differential mode choke.  
宽范围的衰减特性  
Broadband attenuation characteristics  
适用于各种电子和数字设备(尤其是开关电源)  
Available for various digital systems (partically for switching power supplies)

**订购信息: Ordering Information**



**可选型号 Available Part Numbers**

| 型号<br>Type<br>ZYH- | 额定电流范围<br>Rated Current<br>(A) | 绝缘电阻<br>Insulation<br>Resistance | 端接方式<br>Terminal |         |
|--------------------|--------------------------------|----------------------------------|------------------|---------|
|                    |                                |                                  | 入Input           | 出Output |
| AEK                | 10 - 20                        | ≧ 500                            |                  |         |
| AER                | 10 - 30                        | ≧ 500                            |                  |         |
| AEY                | 40 - 50                        | ≧ 500                            |                  |         |
| AEU                | 50 - 100                       | ≧ 500                            |                  |         |
| AEJ                | 80 - 300                       | ≧ 500                            |                  |         |



**规格: Specifications**

每条线路对地的最大泄漏电流:  
Maximum leakage current each Line to Ground:

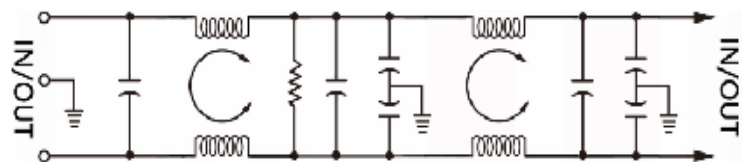
|                  | AEK     | AER      | AEY     | AEU/AEJ |
|------------------|---------|----------|---------|---------|
| @ 120 VAC 60 Hz: | ≤ 1.5mA | ≤ 2.0mA  | ≤ 3.5mA | ≤ 5.0mA |
| @ 250 VAC 50 Hz: | ≤ 2.0mA | ≤ 3.5 mA | ≤ 5.0mA | ≤ 7.5mA |

**Hipot额定值 (一分钟):**

Hipot rating (one minute):

|                                |           |
|--------------------------------|-----------|
| 线路对地:<br>Line to Ground:       | 1800VAC   |
| 线对线:<br>Line to Line:          | 1500VDC   |
| 工作电压:<br>Rated Voltage (max.): | 250VAC    |
| 工作频率:<br>Operating Frequency:  | 50/60HZ   |
| 额定电流:<br>Rated Current:        | 10 - 100A |

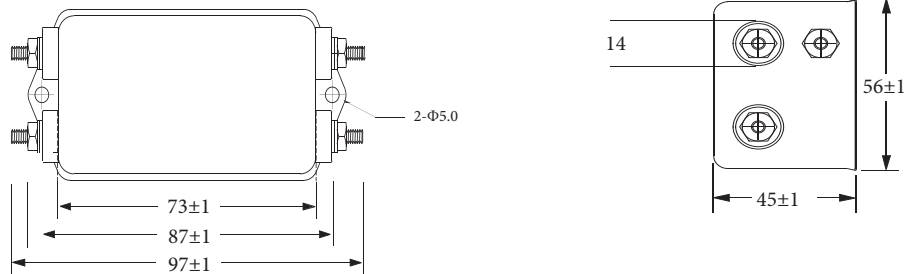
**电路原理图 Electrical Schematics**



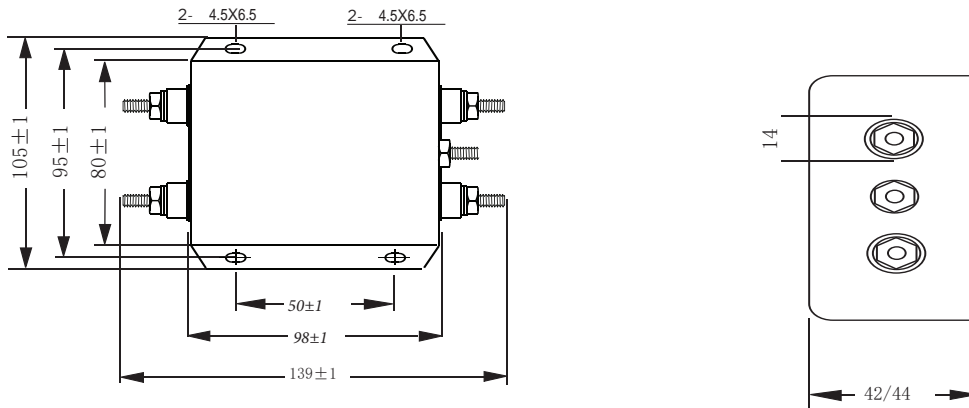
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## A 系列 : A Series

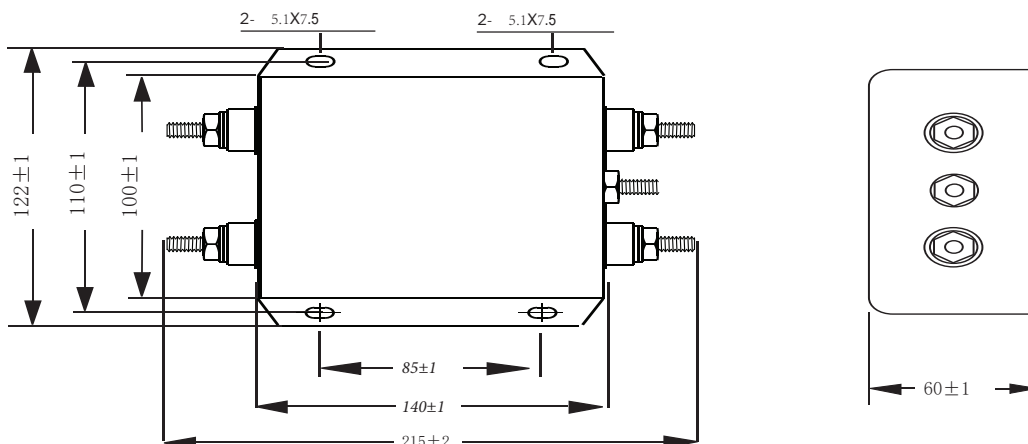
AEK外壳样式 : AEK Case Styles



AER外壳样式 : AER Case Styles

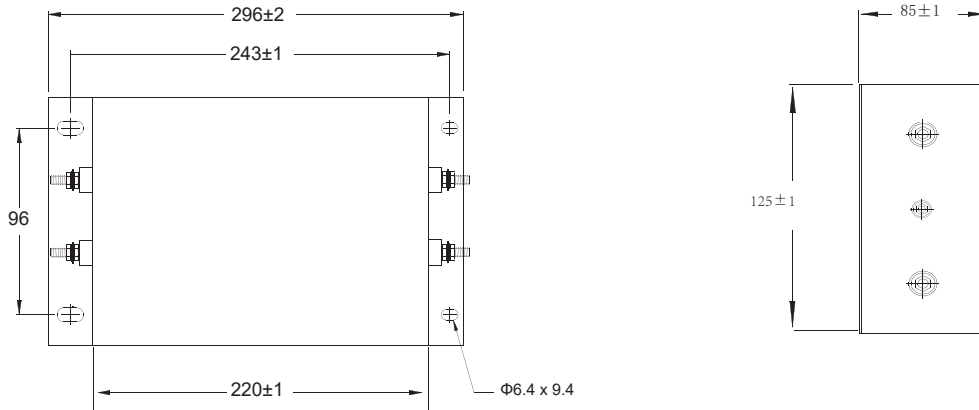


AEY外壳样式 : AEY Case Styles

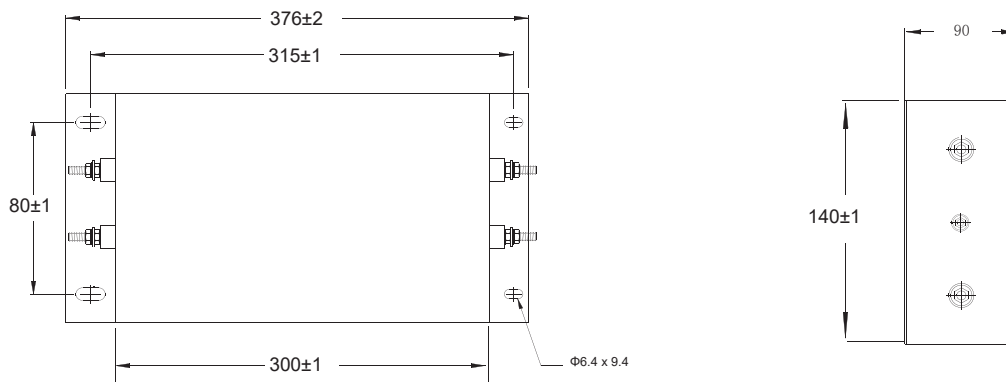


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AEU外壳样式：AEU Case Styles



AEJ外壳样式：AEJ Case Styles



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## A系列 : A Series

### 性能参数

Performance Data

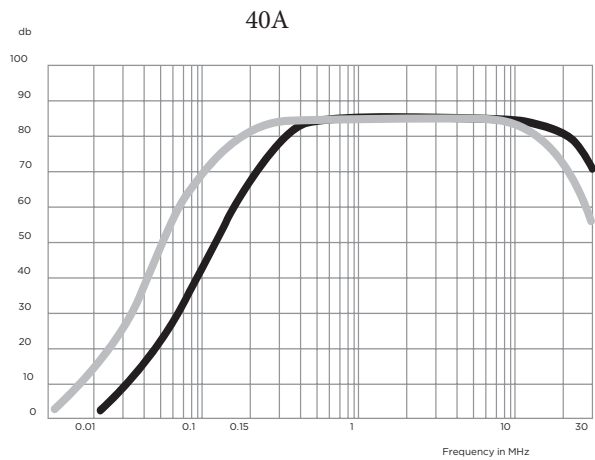
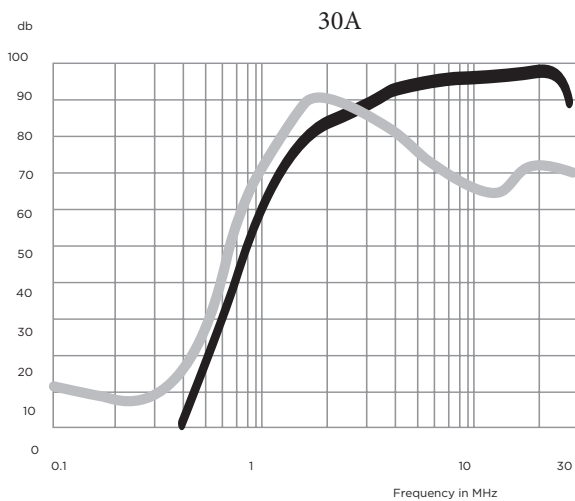
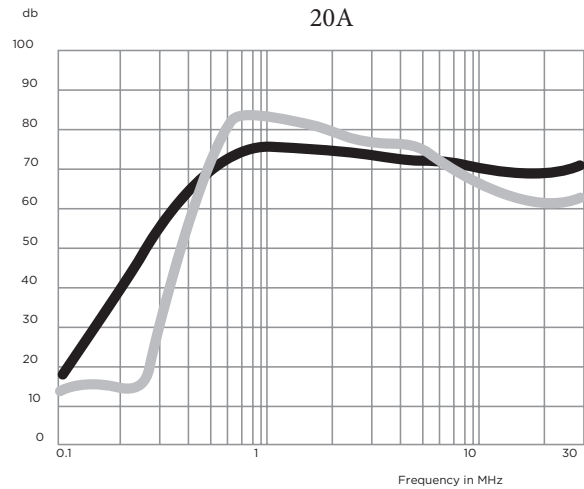
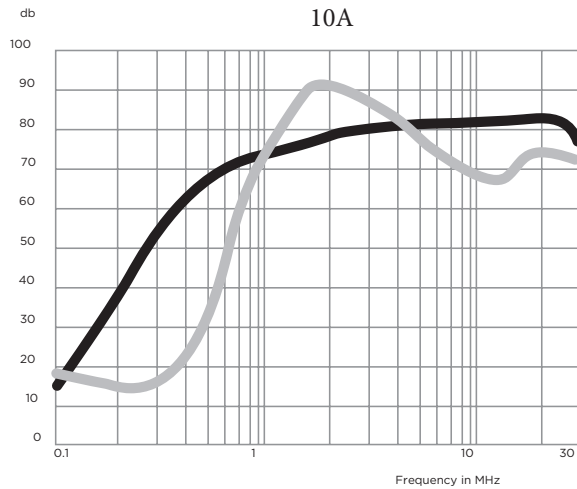
典型插入损耗

Typical Insertion Loss

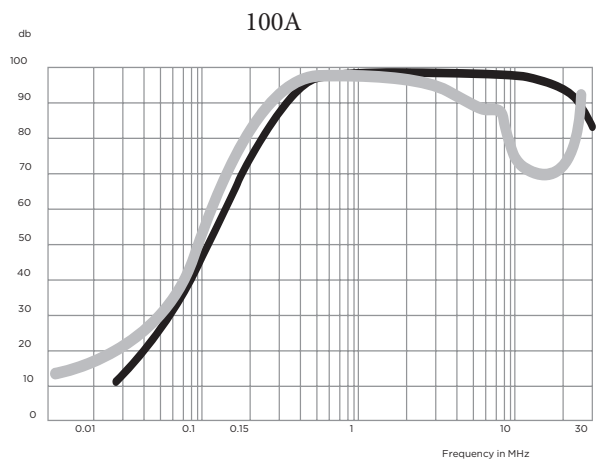
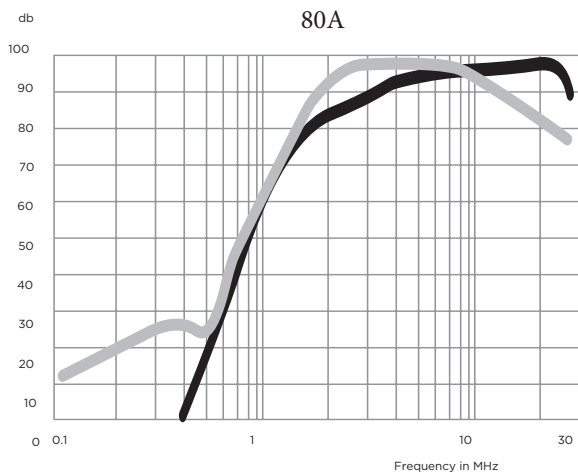
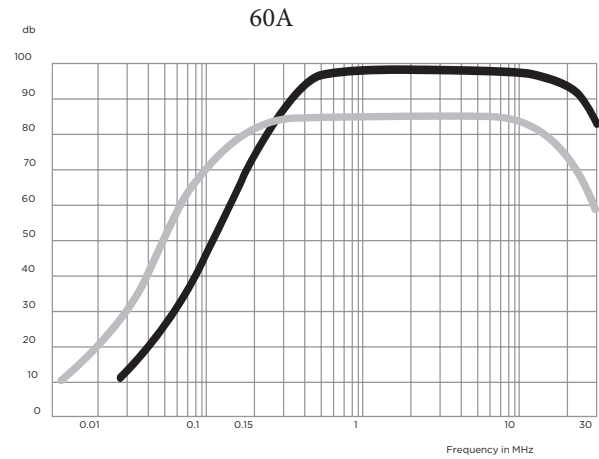
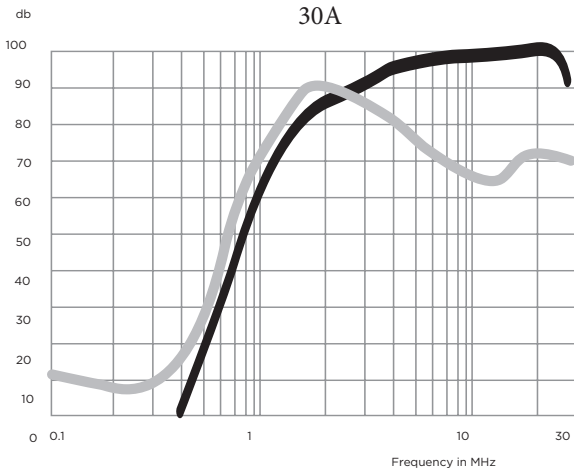
在封闭的50欧姆系统中测量

Measured in closed 50 Ohm system

 共模/不对称 (L-G)  
Common Mode / Asymmetrical (L-G)  
 差模/对称 (L-L)  
Differential Mode / Symmetrical (L-L)



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**最小插入损耗 Minimum Insertion Loss**

共模/不对称 (线对地)  
Common Mode / Asymmetrical (Line to Ground)

| Current Rating | Frequency – MHz |    |     |    |     |    |
|----------------|-----------------|----|-----|----|-----|----|
|                | .15             | .5 | 1   | 5  | 10  | 30 |
| 10A            | 30              | 65 | 65  | 65 | 81  | 77 |
| 20A            | 5               | 44 | 60  | 65 | 71  | 73 |
| 30A            | -               | -  | 60  | 65 | 100 | 90 |
| 60A            | -               | -  | 60  | 95 | 100 | 90 |
| 80A            | -               | -  | 70  | 85 | 92  | 88 |
| 100A           | -               | -  | 100 | 96 | 93  | 83 |

差模/对称 (线对线)  
Differential Mode / Symmetrical (Line to Line)

| Current Rating | Frequency – MHz |    |     |    |    |    |
|----------------|-----------------|----|-----|----|----|----|
|                | .15             | .5 | 1   | 5  | 10 | 30 |
| 10A            | -               | -  | 65  | 60 | 69 | 72 |
| 20A            | -               | -  | 35  | 60 | 66 | 63 |
| 30A            | -               | -  | 65  | 60 | 69 | 73 |
| 60A            | -               | -  | 100 | 96 | 93 | 86 |
| 80A            | -               | -  | 60  | 85 | 93 | 88 |
| 100A           | -               | -  | 100 | 90 | 82 | 93 |