

## SHIELD POWER INDUCTOR CKCF Series

### 磁屏蔽电感 CKCF 系列

#### ● FEATURES 特性

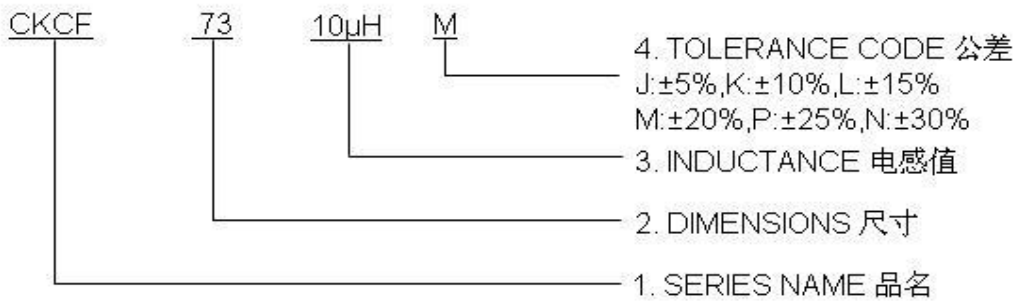
Various high power inductors are superior to be high saturation for surface mounting.  
 具有高功率、高饱和电流、低电阻特性。



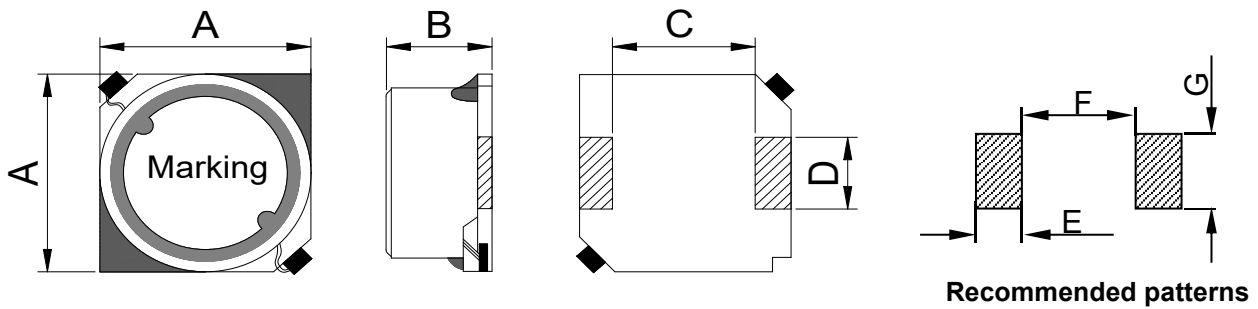
#### ● APPLICATIONS 用途

Power supply for TVR,OA equipment, audio, LED television, communication equipments, DC/DC converters, etc.  
 录影机, OA仪器, 音箱, LED电视, 通信设备, DC/DC转换器

#### ● PART NUMBERING SYSTEM 品名系统



#### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A (Max) | B (Max) | C (Ref.) | D (Ref.) | E   | F   | G   |
|----------|---------|---------|----------|----------|-----|-----|-----|
| CKCF63   | 6.3     | 3.5     | 3.0      | 2.0      | 2.0 | 3.0 | 2.2 |
| CKCF73   | 7.2     | 3.5     | 4.0      | 2.0      | 2.0 | 4.0 | 2.2 |
| CKCF75   | 7.4     | 5.0     | 4.0      | 2.0      | 2.0 | 4.0 | 2.2 |
| CKCF125  | 13.0    | 7.5     | 8.5      | 3.0      | 2.5 | 8.0 | 3.2 |
| CKCF127  | 13.0    | 8.0     | 8.5      | 3.0      | 2.5 | 8.0 | 3.2 |

**● SPECIFICATION TABLE 规格特性表**
**CKCF63**

| PART NUMBER<br>品名 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | IDC (Max)<br>(A)<br>额定电流 |
|-------------------|---------------------------------|-----------------------------------|--------------------------|
| CKCF63-2.2uH/N    | 2.2 $\pm$ 30%                   | 0.052                             | 2.50                     |
| CKCF63-3.3uH/N    | 3.3 $\pm$ 30%                   | 0.058                             | 2.30                     |
| CKCF63-4.7uH/M    | 4.7 $\pm$ 20%                   | 0.68                              | 2.00                     |
| CKCF63-6.8uH/M    | 6.8 $\pm$ 20%                   | 0.85                              | 1.50                     |
| CKCF63-10uH/M     | 10 $\pm$ 20%                    | 0.10                              | 1.20                     |
| CKCF63-15uH/M     | 15 $\pm$ 20%                    | 0.15                              | 1.00                     |
| CKCF63-22uH/M     | 22 $\pm$ 20%                    | 0.206                             | 0.77                     |

**CKCF73**

| PART NUMBER<br>品名 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | IDC (Max)<br>(A)<br>额定电流 |
|-------------------|---------------------------------|-----------------------------------|--------------------------|
| CKCF73-2.2uH/N    | 2.2 $\pm$ 30%                   | 0.036                             | 2.70                     |
| CKCF73-3.3uH/N    | 3.3 $\pm$ 30%                   | 0.04                              | 2.50                     |
| CKCF73-4.7uH/M    | 4.7 $\pm$ 20%                   | 0.055                             | 2.30                     |
| CKCF73-6.8uH/M    | 6.8 $\pm$ 20%                   | 0.07                              | 1.85                     |
| CKCF73-10uH/M     | 10 $\pm$ 20%                    | 0.08                              | 1.40                     |
| CKCF73-15uH/M     | 15 $\pm$ 20%                    | 0.15                              | 1.20                     |
| CKCF73-22uH/M     | 22 $\pm$ 20%                    | 0.22                              | 0.96                     |
| CKCF73-33uH/M     | 33 $\pm$ 20%                    | 0.28                              | 0.78                     |
| CKCF73-47uH/M     | 47 $\pm$ 20%                    | 0.35                              | 0.60                     |
| CKCF73-68uH/M     | 68 $\pm$ 20%                    | 0.42                              | 0.52                     |
| CKCF73-100uH/M    | 100 $\pm$ 20%                   | 0.65                              | 0.40                     |
| CKCF73-470uH/M    | 470 $\pm$ 20%                   | 2.60                              | 0.15                     |

**Remark:** 1. All test data is reference to 25°C ambient.

2. Inductance Tested at 100kHz,0.25Vrms

3. IDC: DC current at which the inductance drops approximate 20% from its value without current;

4. Operating Temperature : -40°C ~ +125°C(Including self - temperature rise)

**CKCF75**

| PART NUMBER<br>品名 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | IDC (Max)<br>(A)<br>额定电流 |
|-------------------|---------------------------------|-----------------------------------|--------------------------|
| CKCF75-2.2uH/N    | 2.2 $\pm$ 30%                   | 0.038                             | 5.00                     |
| CKCF75-3.3uH/N    | 3.3 $\pm$ 30%                   | 0.045                             | 4.00                     |
| CKCF75-4.7uH/M    | 4.7 $\pm$ 20%                   | 0.05                              | 3.00                     |
| CKCF75-6.8uH/M    | 6.8 $\pm$ 20%                   | 0.065                             | 2.70                     |
| CKCF75-10uH/M     | 10 $\pm$ 20%                    | 0.07                              | 2.00                     |
| CKCF75-15uH/M     | 15 $\pm$ 20%                    | 0.10                              | 1.60                     |
| CKCF75-22uH/M     | 22 $\pm$ 20%                    | 0.125                             | 1.40                     |
| CKCF75-33uH/M     | 33 $\pm$ 20%                    | 0.16                              | 0.90                     |
| CKCF75-47uH/M     | 47 $\pm$ 20%                    | 0.22                              | 0.84                     |
| CKCF75-68uH/M     | 68 $\pm$ 20%                    | 0.36                              | 0.70                     |
| CKCF75-100uH/M    | 100 $\pm$ 20%                   | 0.45                              | 0.55                     |
| CKCF75-220uH/M    | 220 $\pm$ 20%                   | 1.30                              | 0.45                     |
| CKCF75-470uH/M    | 470 $\pm$ 20%                   | 3.80                              | 0.30                     |
| CKCF75-680uH/M    | 680 $\pm$ 20%                   | 5.50                              | 0.25                     |

**CKCF125**

| PART NUMBER<br>品名 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | IDC (Max)<br>(A)<br>额定电流 |
|-------------------|---------------------------------|-----------------------------------|--------------------------|
| CKCF125-10uH/M    | 10 $\pm$ 20%                    | 0.048                             | 4.40                     |
| CKCF125-15uH/M    | 15 $\pm$ 20%                    | 0.055                             | 4.00                     |
| CKCF125-22uH/M    | 22 $\pm$ 20%                    | 0.06                              | 3.00                     |
| CKCF125-33uH/M    | 33 $\pm$ 20%                    | 0.07                              | 2.50                     |
| CKCF125-47uH/M    | 47 $\pm$ 20%                    | 0.125                             | 2.20                     |
| CKCF125-68uH/M    | 68 $\pm$ 20%                    | 0.146                             | 1.90                     |
| CKCF125-100uH/M   | 100 $\pm$ 20%                   | 0.20                              | 1.50                     |
| CKCF125-220uH/M   | 220 $\pm$ 20%                   | 0.60                              | 1.40                     |
| CKCF125-470uH/M   | 470 $\pm$ 20%                   | 1.10                              | 1.00                     |
| CKCF125-680uH/M   | 680 $\pm$ 20%                   | 2.30                              | 0.70                     |

**Remark:** 1. All test data is reference to 25 $^{\circ}$ C ambient.

2. Inductance Tested at 100kHz,0.25Vrms

3. IDC: DC current at which the inductance drops approximate 20% from its value without current;

4. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C(Including self - temperature rise)

**CKCF127**

| PART NUMBER<br>品名 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | IDC (Max)<br>(A)<br>额定电流 |
|-------------------|---------------------------------|-----------------------------------|--------------------------|
| CKCF127-6.8uH/M   | 6.8 $\pm$ 20%                   | 0.018                             | 7.20                     |
| CKCF127-10uH/M    | 10 $\pm$ 20%                    | 0.021                             | 5.50                     |
| CKCF127-15uH/M    | 15 $\pm$ 20%                    | 0.028                             | 4.70                     |
| CKCF127-22uH/M    | 22 $\pm$ 20%                    | 0.050                             | 4.00                     |
| CKCF127-33uH/M    | 33 $\pm$ 20%                    | 0.055                             | 3.40                     |
| CKCF127-47uH/M    | 47 $\pm$ 20%                    | 0.064                             | 3.00                     |
| CKCF127-68uH/M    | 68 $\pm$ 20%                    | 0.092                             | 2.60                     |
| CKCF127-100uH/M   | 100 $\pm$ 20%                   | 0.15                              | 1.90                     |
| CKCF127-220uH/M   | 220 $\pm$ 20%                   | 0.32                              | 1.00                     |
| CKCF127-470uH/M   | 470 $\pm$ 20%                   | 0.80                              | 0.80                     |
| CKCF127-1mH/M     | 1000 $\pm$ 20%                  | 1.50                              | 0.55                     |
| CKCF127-1.5mH/M   | 1500 $\pm$ 20%                  | 2.30                              | 0.45                     |
| CKCF127-2.2mH/M   | 2200 $\pm$ 20%                  | 3.40                              | 0.40                     |

**Remark:** 1. All test data is reference to 25 $^{\circ}$ C ambient.

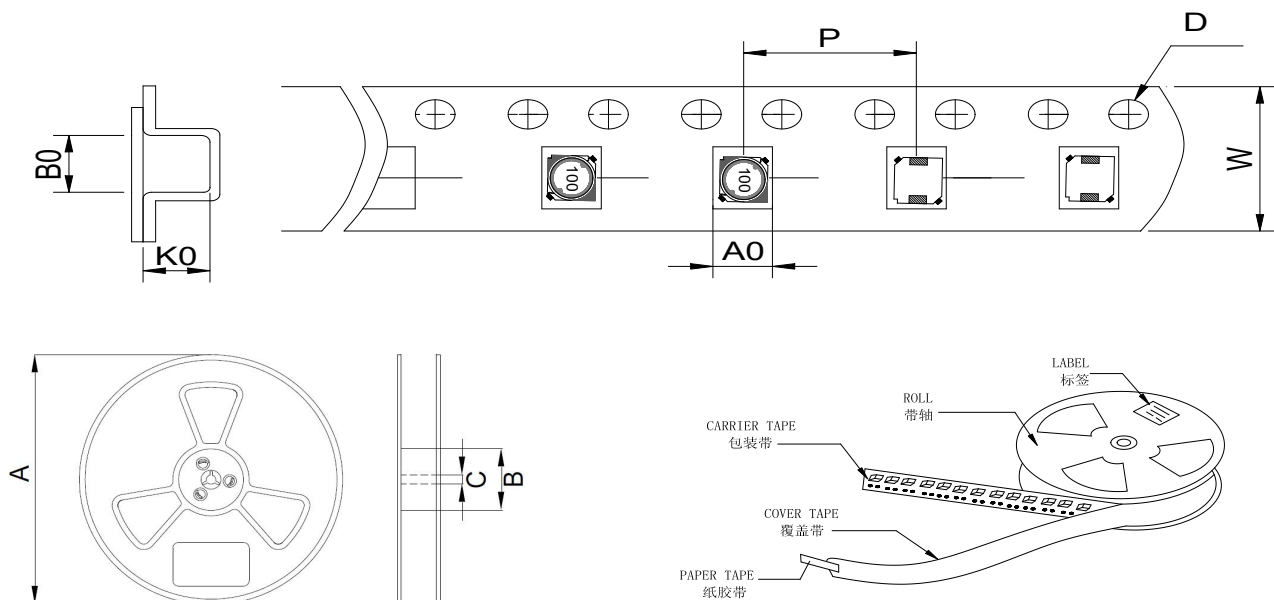
2. Inductance Tested at 100kHz,0.25Vrms

3. IDC: DC current at which the inductance drops approximate 20% from its value without current;

4. Operating Temperature : -40 $^{\circ}$ C ~ +125 $^{\circ}$ C(Including self - temperature rise)



● PACKAGING SPECIFICATION 包装规格



| TYPE(型号) | Tape Dimension 载带尺寸(mm) |      |      |     |     |      | Reel Dimension 卷盘尺寸 (mm) |     |    | Quantity (Pcs/Reel) 数量 (个/卷) |
|----------|-------------------------|------|------|-----|-----|------|--------------------------|-----|----|------------------------------|
|          | W                       | A0   | B0   | K0  | D   | P    | A                        | B   | C  |                              |
| CKCF63   | 16.0                    | 6.6  | 6.6  | 3.8 | 1.5 | 12.0 | 330                      | 100 | 13 | 1500                         |
| CKCF73   | 16.0                    | 7.7  | 7.7  | 3.8 | 1.5 | 12.0 | 330                      | 100 | 13 | 1000                         |
| CKCF75   | 16.0                    | 7.7  | 7.7  | 5.3 | 1.5 | 12.0 | 330                      | 100 | 13 | 1000                         |
| CKCF125  | 24.0                    | 13.5 | 13.5 | 7.8 | 1.5 | 16.0 | 330                      | 100 | 13 | 500                          |
| CKCF127  | 24.0                    | 13.5 | 13.5 | 8.5 | 1.5 | 16.0 | 330                      | 100 | 13 | 500                          |