

## XRDO系列功率电感

- 特征:
  - 大电流
  - 适合于表面贴装, 适合于回流焊。
- 应用
  - 1. 移动通信, 笔记本电脑, 电脑显示板卡等。
  - 2. LCD电视, 录像机, DC/DC转换。

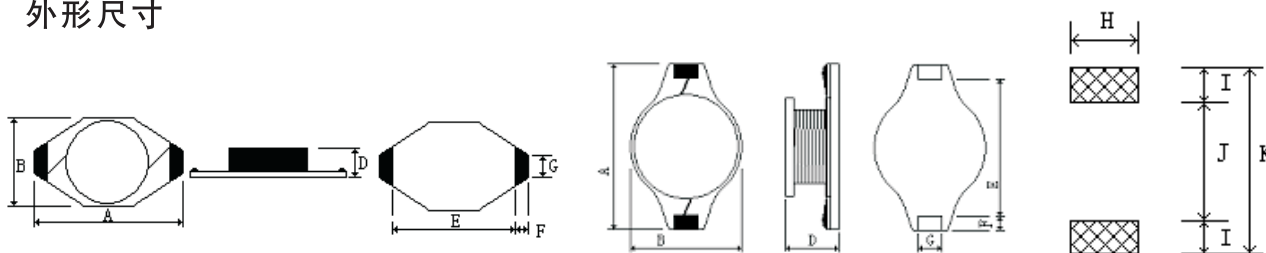


### • 产品规格型号的标识说明

XRDO    3316    150    M  
 ①            ②            ③            ④

| ① 产品代号 |            | ② 规格尺寸 (L*W*T) (MM) |                  | ③ 感量 (uH) |      | ④ 误差 |       |
|--------|------------|---------------------|------------------|-----------|------|------|-------|
| XRDO   | XRDO系列功率电感 | 1608                | 6.40×4.10×2.60   | 150       | 15   | K    | ± 10% |
|        |            | 3316                | 12.70×9.20×5.00  | 101       | 100  | M    | ± 20% |
|        |            | 5022                | 18.10×14.10×6.80 | 102       | 1000 |      |       |

### 外形尺寸



XRDO1608系列

XRDO3316&XRDO5022系列

单位: mm

| 型号       | A     | B     | D    | E     | F    | G    | H    | I    | J     |
|----------|-------|-------|------|-------|------|------|------|------|-------|
| XRDO1608 | 6.40  | 4.10  | 2.60 | 4.32  | 1.02 | 1.27 | 3.56 | 1.40 | 4.06  |
| XRDO3316 | 12.70 | 9.20  | 5.00 | 7.62  | 2.54 | 2.52 | 2.79 | 2.92 | 7.37  |
| XRDO5022 | 18.10 | 14.10 | 6.80 | 12.70 | 2.54 | 2.54 | 2.79 | 2.92 | 12.45 |

## XRDO系列功率电感

XRDO1608 Series

| 型号            | 电感量(uH) | 公差 (%) | 测试频率   | 直流电阻 DCR( ) | Isat(A) |
|---------------|---------|--------|--------|-------------|---------|
| XRDO1608-1R0M | 1.0     | ±20%   | 100kHz | 0.070       | 2.90    |
| XRDO1608-1R5M | 1.5     | ±20%   | 100kHz | 0.085       | 2.60    |
| XRDO1608-2R2M | 2.2     | ±20%   | 100kHz | 0.090       | 2.30    |
| XRDO1608-3R3M | 3.3     | ±20%   | 100kHz | 0.125       | 2.00    |
| XRDO1608-4R7M | 4.7     | ±20%   | 100kHz | 0.160       | 1.50    |
| XRDO1608-6R8M | 6.8     | ±20%   | 100kHz | 0.200       | 1.20    |
| XRDO1608-100M | 10      | ±20%   | 100kHz | 0.250       | 1.10    |
| XRDO1608-150M | 15      | ±20%   | 100kHz | 0.350       | 0.90    |
| XRDO1608-220M | 22      | ±20%   | 100kHz | 0.450       | 0.70    |
| XRDO1608-330M | 33      | ±20%   | 100kHz | 0.510       | 0.58    |
| XRDO1608-470M | 47      | ±20%   | 100kHz | 0.950       | 0.50    |
| XRDO1608-680M | 68      | ±20%   | 100kHz | 1.150       | 0.40    |
| XRDO1608-101M | 100     | ±20%   | 100kHz | 2.000       | 0.31    |
| XRDO1608-151M | 150     | ±20%   | 100kHz | 2.500       | 0.27    |
| XRDO1608-221M | 220     | ±20%   | 100kHz | 4.000       | 0.22    |
| XRDO1608-331M | 330     | ±20%   | 100kHz | 5.500       | 0.18    |

XRDO3316 Series

| 型号            | 电感量(UH) | 公差 (%) | 测试频率   | 直流电阻 DCR( ) | I <sub>sat</sub> (A) |
|---------------|---------|--------|--------|-------------|----------------------|
| XRDO3316-1R0M | 1.0     | ±20%   | 100kHz | 0.011       | 9.0                  |
| XRDO3316-1R5M | 1.5     | ±20%   | 100kHz | 0.012       | 8.0                  |
| XRDO3316-2R2M | 2.2     | ±20%   | 100kHz | 0.015       | 7.0                  |
| XRDO3316-3R3M | 3.3     | ±20%   | 100kHz | 0.018       | 6.4                  |
| XRDO3316-4R7M | 4.7     | ±20%   | 100kHz | 0.022       | 5.4                  |
| XRDO3316-6R8M | 6.8     | ±20%   | 100kHz | 0.027       | 4.6                  |
| XRDO3316-100M | 10      | ±20%   | 100kHz | 0.038       | 3.8                  |
| XRDO3316-150M | 15      | ±20%   | 100kHz | 0.060       | 3.0                  |
| XRDO3316-220M | 22      | ±20%   | 100kHz | 0.085       | 2.6                  |
| XRDO3316-330M | 33      | ±20%   | 100kHz | 0.110       | 2.0                  |
| XRDO3316-470M | 47      | ±20%   | 100kHz | 0.170       | 1.6                  |
| XRDO3316-680M | 68      | ±20%   | 100kHz | 0.210       | 1.4                  |
| XRDO3316-101M | 100     | ±20%   | 100kHz | 0.330       | 1.2                  |
| XRDO3316-151M | 150     | ±20%   | 100kHz | 0.480       | 1.0                  |
| XRDO3316-221M | 220     | ±20%   | 100kHz | 0.800       | 0.8                  |
| XRDO3316-331M | 330     | ±20%   | 100kHz | 1.020       | 0.6                  |
| XRDO3316-471M | 470     | ±20%   | 100kHz | 1.270       | 0.5                  |
| XRDO3316-681M | 680     | ±20%   | 100kHz | 2.020       | 0.4                  |
| XRDO3316-102M | 1000    | ±20%   | 100kHz | 3.000       | 0.3                  |

I<sub>sat</sub>: 飽和電流，加I<sub>sat</sub>時，電感值相對初始值下降 ≤ 10%

XRDO5022 Series

| 型号            | 电感量(UH) | 公差(%) | 测试频率   | 直流电阻 DCR( ) | I <sub>sat</sub> (A) |
|---------------|---------|-------|--------|-------------|----------------------|
| XRDO5022-1R0M | 1.0     | ±20%  | 100kHz | 0.009       | 20                   |
| XRDO5022-2R2M | 2.2     | ±20%  | 100kHz | 0.014       | 16                   |
| XRDO5022-3R3M | 3.3     | ±20%  | 100kHz | 0.018       | 14                   |
| XRDO5022-5R6M | 5.6     | ±20%  | 100kHz | 0.020       | 12                   |
| XRDO5022-100M | 10      | ±20%  | 100kHz | 0.031       | 10                   |
| XRDO5022-150M | 15      | ±20%  | 100kHz | 0.036       | 8.0                  |
| XRDO5022-220M | 22      | ±20%  | 100kHz | 0.047       | 7.0                  |
| XRDO5022-330M | 33      | ±20%  | 100kHz | 0.066       | 5.5                  |
| XRDO5022-470M | 47      | ±20%  | 100kHz | 0.086       | 4.5                  |
| XRDO5022-680M | 68      | ±20%  | 100kHz | 0.130       | 3.5                  |
| XRDO5022-101M | 100     | ±20%  | 100kHz | 0.190       | 3.0                  |
| XRDO5022-151M | 150     | ±20%  | 100kHz | 0.250       | 2.6                  |
| XRDO5022-221M | 220     | ±20%  | 100kHz | 0.380       | 2.4                  |
| XRDO5022-331M | 330     | ±20%  | 100kHz | 0.560       | 1.9                  |
| XRDO5022-471M | 470     | ±20%  | 100kHz | 0.850       | 1.4                  |
| XRDO5022-681M | 680     | ±20%  | 100kHz | 1.100       | 1.2                  |
| XRDO5022-102M | 1000    | ±20%  | 100kHz | 1.800       | 1.0                  |

I<sub>sat</sub>: 飽和電流，加I<sub>sat</sub>時，電感值相對初始值下降 ≤ 10%