

# 貼片功率電感 SMD POWER INDUCTORS

## ■ PBO 系列功率電感 PBO SERIES SMD POWER INDUCTORS

### • 特征 FEATURES:

大電流; High saturation current  
適合于表面貼裝回流焊。 SMT type, suitable for solder reflow.

### • 應用 APPLICATIONS

移動通信,筆記本電腦; Portable communication equipment, Notebook Computer  
LCD電視,錄像機; LCD televisions, Power supply for VTRs  
DC/DC轉換。 DC/DC converters etc.



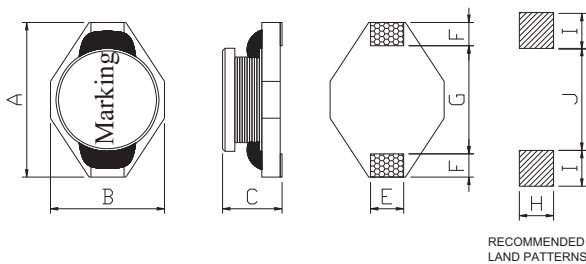
### • 產品規格型號的表示方法HOW TO ORDER

PBO  
①
3316 — 150  
②                      ③
M  
④
T  
⑤

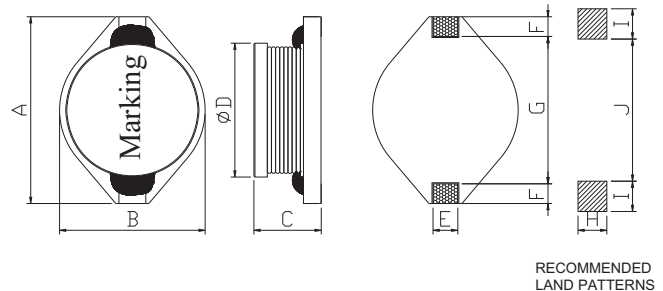
| ①<br>產品代號<br>Product Code |               | ②<br>規格尺寸(L×W×T)<br>(mm)<br>Dimensions |                  | ③<br>感量(μH)<br>Inductance |      | ④<br>誤差<br>Tolerance |      | ⑤<br>包裝方式<br>Packaging Style |                     |
|---------------------------|---------------|--|------------------|---------------------------|------|----------------------|------|------------------------------|---------------------|
| PBO                       | PBO系列<br>功率電感 | 3316                                   | 12.70×9.20×5.00  | 1R5                       | 1.5  | J                    | ±5%  | T                            | 卷帶盤裝<br>Tape & Reel |
|                           |               | 5022                                   | 18.20×14.10×6.80 | 150                       | 15   | K                    | ±10% |                              |                     |
|                           |               |  |                  | 151                       | 150  | L                    | ±15% |                              |                     |
|                           |               |  |                  | 152                       | 1500 | M                    | ±20% |                              |                     |
|                           |               |  |                  |                           |      | N                    | ±30% |                              |                     |

### • 外形尺寸 DIMENSIONS

PBO3316



PBO5022



單位(Unit): mm

| 型號Part  | A          | B          | C         | E(typ.) | F(typ.) | G(typ.) | H(typ.) | I(typ.) | J(typ.) |
|---------|------------|------------|-----------|---------|---------|---------|---------|---------|---------|
| PBO3316 | 12.70±0.30 | 9.20±0.30  | 5.00±0.30 | 2.54    | 2.54    | 7.62    | 2.79    | 2.92    | 7.37    |
| PBO5022 | 18.20±0.30 | 14.10±0.30 | 6.80±0.30 | 2.54    | 2.54    | 12.95   | 2.79    | 2.92    | 12.45   |

**PBO3316 Series**

| 型號<br>Part Number | 電感量<br>L (μH) | 公差<br>Tolerance | 測試頻率<br>Test Freq. | 直流電阻<br>DCR(Ω)Max | 飽和電流<br>Isat(A) | 溫升電流<br>Irms(A) |
|-------------------|---------------|-----------------|--------------------|-------------------|-----------------|-----------------|
| PBO3316-1R0MT     | 1.0           | ±20%            | 100kHz             | 0.011             | 9.00            | 6.80            |
| PBO3316-1R5MT     | 1.5           | ±20%            | 100kHz             | 0.012             | 8.00            | 6.40            |
| PBO3316-2R2MT     | 2.2           | ±20%            | 100kHz             | 0.015             | 7.00            | 6.10            |
| PBO3316-3R3MT     | 3.3           | ±20%            | 100kHz             | 0.018             | 6.40            | 5.40            |
| PBO3316-4R7MT     | 4.7           | ±20%            | 100kHz             | 0.022             | 5.40            | 4.80            |
| PBO3316-6R8MT     | 6.8           | ±20%            | 100kHz             | 0.027             | 4.60            | 4.40            |
| PBO3316-100MT     | 10            | ±20%            | 100kHz             | 0.038             | 3.80            | 3.90            |
| PBO3316-120MT     | 12            | ±20%            | 100kHz             | 0.055             | 3.50            | 3.30            |
| PBO3316-150MT     | 15            | ±20%            | 100kHz             | 0.060             | 3.00            | 3.10            |
| PBO3316-220MT     | 22            | ±20%            | 100kHz             | 0.085             | 2.60            | 2.70            |
| PBO3316-330MT     | 33            | ±20%            | 100kHz             | 0.110             | 2.00            | 2.10            |
| PBO3316-390MT     | 39            | ±20%            | 100kHz             | 0.150             | 1.80            | 1.90            |
| PBO3316-470MT     | 47            | ±20%            | 100kHz             | 0.170             | 1.60            | 1.80            |
| PBO3316-680MT     | 68            | ±20%            | 100kHz             | 0.210             | 1.40            | 1.50            |
| PBO3316-820MT     | 82            | ±10%            | 100kHz             | 0.310             | 1.24            | 1.35            |
| PBO3316-101KT     | 100           | ±10%            | 100kHz             | 0.330             | 1.20            | 1.30            |
| PBO3316-151KT     | 150           | ±10%            | 100kHz             | 0.480             | 1.00            | 1.00            |
| PBO3316-221KT     | 220           | ±10%            | 100kHz             | 0.800             | 0.80            | 0.80            |
| PBO3316-331KT     | 330           | ±10%            | 100kHz             | 1.020             | 0.60            | 0.60            |
| PBO3316-471KT     | 470           | ±10%            | 100kHz             | 1.270             | 0.50            | 0.50            |
| PBO3316-681KT     | 680           | ±10%            | 100kHz             | 2.020             | 0.40            | 0.40            |
| PBO3316-102KT     | 1000          | ±10%            | 100kHz             | 3.000             | 0.30            | 0.30            |
| PBO3316-152KT     | 1500          | ±10%            | 100kHz             | 5.780             | 0.25            | 0.18            |
| PBO3316-332KT     | 3300          | ±10%            | 100kHz             | 10.200            | 0.18            | 0.14            |
| PBO3316-472KT     | 4700          | ±10%            | 100kHz             | 15.900            | 0.15            | 0.12            |

Isat : 指使電感量比初始值下降10%的電流值。

Irms: 指使電感器表面溫度上升40°C的電流值 (參考周圍環境溫度20°C)。

Isat: The DC current is that which cause a 10% inductance reduction from the initial value.

Irms: The DC current is inductor surface temperature to rise by 40°C (Reference ambient temperature 20°C).

# 貼片功率電感 SMD POWER INDUCTORS

## PBO5022 Series

| 型號<br>Part Number | 電感量<br>L (μH) | 公差<br>Tolerance | 測試頻率<br>Test Freq. | 直流電阻<br>DCR(Ω)Max | 飽和電流<br>Isat(A) | 溫升電流<br>Irms(A) |
|-------------------|---------------|-----------------|--------------------|-------------------|-----------------|-----------------|
| PBO5022-1R0MT     | 1.0           | ±20%            | 100kHz             | 0.009             | 20.00           | 8.60            |
| PBO5022-1R5MT     | 1.5           | ±20%            | 100kHz             | 0.012             | 18.00           | 8.00            |
| PBO5022-2R2MT     | 2.2           | ±20%            | 100kHz             | 0.014             | 16.00           | 7.10            |
| PBO5022-3R3MT     | 3.3           | ±20%            | 100kHz             | 0.018             | 14.00           | 6.20            |
| PBO5022-4R2MT     | 4.2           | ±20%            | 100kHz             | 0.019             | 13.00           | 6.00            |
| PBO5022-4R7MT     | 4.7           | ±20%            | 100kHz             | 0.019             | 13.00           | 6.00            |
| PBO5022-5R6MT     | 5.6           | ±20%            | 100kHz             | 0.020             | 12.00           | 5.30            |
| PBO5022-7R8 T     | 7.8           | ±20%            | 100kHz             | 0.017             | 11.00           | 4.50            |
| PBO5022-100MT     | 10            | ±20%            | 100kHz             | 0.031             | 10.00           | 4.30            |
| PBO5022-150MT     | 15            | ±20%            | 100kHz             | 0.036             | 8.00            | 4.00            |
| PBO5022-220MT     | 22            | ±20%            | 100kHz             | 0.047             | 7.00            | 3.50            |
| PBO5022-250MT     | 25            | ±20%            | 100kHz             | 0.066             | 5.50            | 3.00            |
| PBO5022-330MT     | 33            | ±20%            | 100kHz             | 0.066             | 5.50            | 3.00            |
| PBO5022-470MT     | 47            | ±20%            | 100kHz             | 0.086             | 4.50            | 2.60            |
| PBO5022-680MT     | 68            | ±20%            | 100kHz             | 0.130             | 3.50            | 2.30            |
| PBO5022-101KT     | 100           | ±10%            | 100kHz             | 0.190             | 3.00            | 1.80            |
| PBO5022-151KT     | 150           | ±10%            | 100kHz             | 0.300             | 2.60            | 1.50            |
| PBO5022-221KT     | 220           | ±10%            | 100kHz             | 0.380             | 2.40            | 1.20            |
| PBO5022-331KT     | 330           | ±10%            | 100kHz             | 0.560             | 1.90            | 1.00            |
| PBO5022-471KT     | 470           | ±10%            | 100kHz             | 0.850             | 1.40            | 0.82            |
| PBO5022-561KT     | 560           | ±10%            | 100kHz             | 0.980             | 1.30            | 0.76            |
| PBO5022-681KT     | 680           | ±10%            | 100kHz             | 1.190             | 1.20            | 0.72            |
| PBO5022-102KT     | 1000          | ±10%            | 100kHz             | 2.100             | 1.00            | 0.56            |
| PBO5022-152KT     | 1500          | ±10%            | 100kHz             | 3.450             | 0.80            | 0.48            |
| PBO5022-103KT     | 10000         | ±10%            | 100kHz             | 25.90             | 0.28            | 0.28            |

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Isat: The DC current is that which cause a 10% inductance reduction from the initial value.

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单击下面可查看定价，库存，交付和生命周期等信息

[>>FH\(风华高科\)](#)