

YPRH-D SERIES

■ Features

- High current Type;
- Ferrite bobbin core and compact size;
- Low core loss for high frequency power application.
- Large terminal surface for good PCB bonding;

■ Applications:

- Portable communication equipment;
- Notebook PC,digital camera,LCD television set;
- Power supply for VTR,OA equipment;
- DC/DC converters.

■ 产品标识: Product Identification

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|------|------|---|-----|-----|
| YPRH | □D□□ | — | □□□ | □ |
| (1) | (2) | | (3) | (4) |

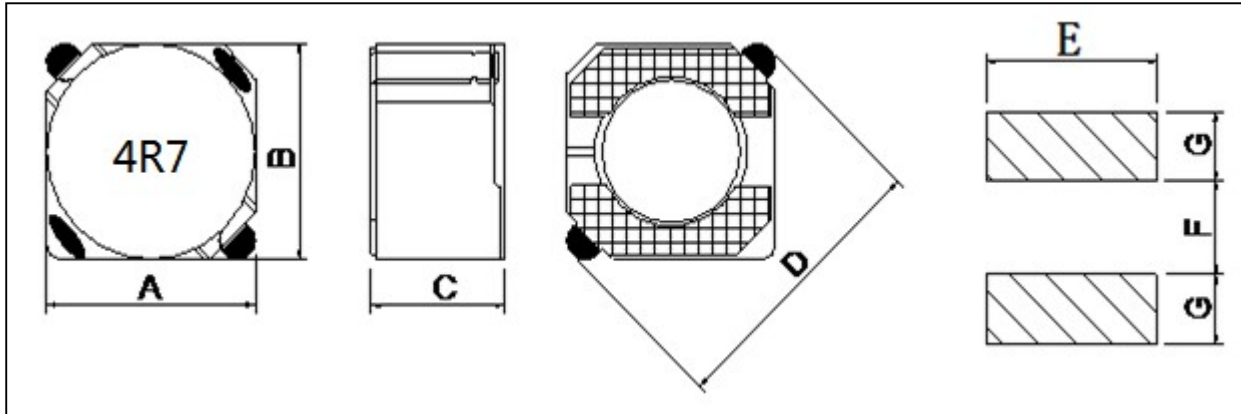
(1): 产品系列号;

(2): 产品尺寸;

(3): 电感值;

(4): 感值误差: N=±30%,M=±20%, L=±15%, K=±10%;

■ 尺寸(单位: mm)



| TYPE | A | B | C | D | E | F | G |
|-----------|----------|----------|---------|----------|---------|--------|---------|
| YPRH3D16 | 3.8±0.3 | 3.8±0.3 | 1.80MAX | 4.15MAX | / | / | / |
| YPRH3D28 | 3.9±0.3 | 3.9±0.3 | 3.20MAX | 5.60MAX | 4.6REF | 1.4REF | 1.6REF |
| YPRH4D28 | 4.7±0.3 | 4.7±0.3 | 3.00MAX | 6.90MAX | 5.3REF | 1.5REF | 1.9REF |
| YPRH5D18 | 5.7±0.3 | 5.7±0.3 | 2.00MAX | 8.2MAX | 6.3REF | 2.0REF | 2.15REF |
| YPRH5D28 | 5.7±0.3 | 5.7±0.3 | 3.00MAX | 8.2MAX | 6.3REF | 2.0REF | 2.15REF |
| YPRH6D18 | 6.7±0.3 | 6.7±0.3 | 2.00MAX | 9.5MAX | 7.3REF | 2.0REF | 2.65REF |
| YPRH6D28 | 6.7±0.3 | 6.7±0.3 | 3.00MAX | 9.5MAX | 7.3REF | 2.0REF | 2.65REF |
| YPRH6D38 | 6.7±0.3 | 6.7±0.3 | 4.00MAX | 9.5MAX | 7.3REF | 2.0REF | 2.65REF |
| YPRH7D15 | 7.5±0.3 | 7.5±0.3 | 1.55MAX | / | / | / | / |
| YPRH8D25 | 8.0±0.3 | 8.0±0.3 | 2.5MAX | / | / | / | / |
| YPRH8D28 | 8.0±0.3 | 8.0±0.3 | 3.0MAX | 1.2REF | 10.1REF | 2.8REF | 6.1REF |
| YPRH8D43 | 8.0±0.3 | 8.0±0.3 | 4.5MAX | / | / | / | / |
| YPRH10D40 | 10.1±0.3 | 10.1±0.5 | 3.8±0.2 | 1.2±0.15 | 3.2REF | 7.3REF | 1.6REF |
| YPRH10D50 | 10.1±0.3 | 10.1±0.5 | 5.0±0.2 | 1.2±0.15 | 3.6REF | 7.3REF | 1.7REF |

■ YPRH3D16 series

| Part No. | L(uH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|---------------|-------|--------------|-----------|-------------------|
| YPRH3D16-2R2□ | 2.20 | 100KHz | 0.084 | 2.10 |
| YPRH3D16-4R7□ | 4.70 | 100KHz | 0.112 | 0.95 |
| YPRH3D16-100□ | 10.0 | 100KHz | 0.230 | 0.66 |
| YPRH3D16-220□ | 22.0 | 100KHz | 0.600 | 0.40 |
| YPRH3D16-470□ | 47.0 | 100KHz | 0.930 | 0.23 |
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■ YP3D28 series

| Part No. | L(uH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|---------------|-------|--------------|--------------------|-------------------|
| YPRH3D28-100□ | 10.0 | 100KHz | 0.150 | 0.80 |
| YPRH3D28-470□ | 47.0 | 100KHz | 0.550 | 0.60 |
| YPRH3D28-101□ | 100 | 100KHz | 1.680 | 0.18 |
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■ YPRH4D28 series

| Part No. | L(uH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|---------------|-------|--------------|--------------------|-------------------|
| YPRH4D28-2R2□ | 2.20 | 100KHz | 0.0505 | 2.00 |
| YPRH4D28-6R8□ | 6.80 | 100KHz | 0.092 | 1.12 |
| YPRH4D28-220□ | 22.0 | 100KHz | 0.218 | 0.70 |
| YPRH4D28-330□ | 33.0 | 100KHz | 0.285 | 0.56 |
| YPRH4D28-470□ | 47.0 | 100KHz | 0.440 | 0.48 |
| YPRH4D28-680□ | 68.0 | 100KHz | 0.620 | 0.35 |
| YPRH4D28-121□ | 120 | 100KHz | 1.550 | 0.27 |
| YPRH4D28-221□ | 220 | 100KHz | 2.100 | 0.20 |
| YPRH4D28-102□ | 1000 | 100KHz | 5.500 | 0.10 |
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■ YPRH5D18 series

| Part No. | L(uH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|---------------|-------|--------------|--------------------|-------------------|
| YPRH5D18-150□ | 15.0 | 100KHz | 0.204 | 1.38 |
| YPRH5D18-330□ | 33.0 | 100KHz | 0.380 | 0.90 |
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■ YPRH5D28 series

| Part No. | L(μH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|---------------|-------|--------------|-----------|-------------------|
| YPRH5D28-4R7□ | 4.70 | 100KHz | 0.036 | 2.10 |
| YPRH5D28-100□ | 10.0 | 100KHz | 0.065 | 1.30 |
| YPRH5D28-220□ | 22.0 | 100KHz | 0.112 | 0.90 |
| YPRH5D28-470□ | 47.0 | 100KHz | 0.250 | 0.62 |
| YPRH5D28-680□ | 68.0 | 100KHz | 0.355 | 0.52 |
| YPRH5D28-101□ | 100 | 100KHz | 0.580 | 0.42 |
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■ YPRH6D18 series

| Part No. | L(uH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|---------------|-------|--------------|--------------------|-------------------|
| YPRH6D18-6R8□ | 6.80 | 100KHz | 0.200 | 2.00 |
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■ YPRH6D28 series

| Part No. | L(uH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|---------------|-------|--------------|--------------------|-------------------|
| YPRH6D28-2R2□ | 2.20 | 100KHz | 0.020 | 4.00 |
| YPRH6D28-3R3□ | 3.30 | 100KHz | 0.024 | 3.00 |
| YPRH6D28-6R8□ | 6.80 | 100KHz | 0.035 | 2.20 |
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■ YPRH6D38 series

| Part No. | L(uH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|---------------|-------|--------------|--------------------|----------------------|
| YPRH6D38-4R7□ | 4.70 | 100KHz | 0.024 | 3.00 |
| YPRH6D38-6R8□ | 6.80 | 100KHz | 0.031 | 2.30 |
| YPRH6D38-220□ | 22.0 | 100KHz | 0.096 | 1.20 |
| YPRH6D38-470□ | 47.0 | 100KHz | 0.155 | 0.85 |
| YPRH6D38-151□ | 150.0 | 100KHz | 0.520 | 0.45 |
| YPRH6D38-221□ | 220.0 | 100KHz | 1.000 | 0.35 |
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■ YPRH7D15 series

| Part No. | L(uH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|---------------|-------|--------------|--------------------|-------------------|
| YPRH7D15-2R2□ | 2.20 | 100KHz | 0.028 | 2.00 |
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■ YPRH8D25 series

| Part No. | L(uH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|---------------|-------|--------------|--------------------|-------------------|
| YPRH8D25-4R7□ | 4.70 | 100KHz | 0.100 | 1.50 |
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■ YPRH8D28 series

| Part No. | L(uH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|---------------|-------|--------------|--------------------|----------------------|
| YPRH8D28-100□ | 10.0 | 100KHz | 0.080 | 2.70 |
| YPRH8D28-470□ | 47.0 | 100KHz | 0.360 | 1.25 |
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■ YPRH8D43 series

| Part No. | L(uH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|---------------|-------|--------------|--------------------|-------------------|
| YPRH8D43-4R7□ | 4.70 | 100KHz | 0.022 | 4.60 |
| YPRH8D43-100□ | 10.0 | 100KHz | 0.040 | 3.60 |
| YPRH8D43-150□ | 15.0 | 100KHz | 0.058 | 2.60 |
| YPRH8D43-470□ | 47.0 | 100KHz | 0.195 | 1.40 |
| YPRH8D43-680□ | 68.0 | 100KHz | 0.240 | 1.20 |
| YPRH8D43-101□ | 100 | 100KHz | 0.360 | 0.90 |
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■ YPRH10D40series

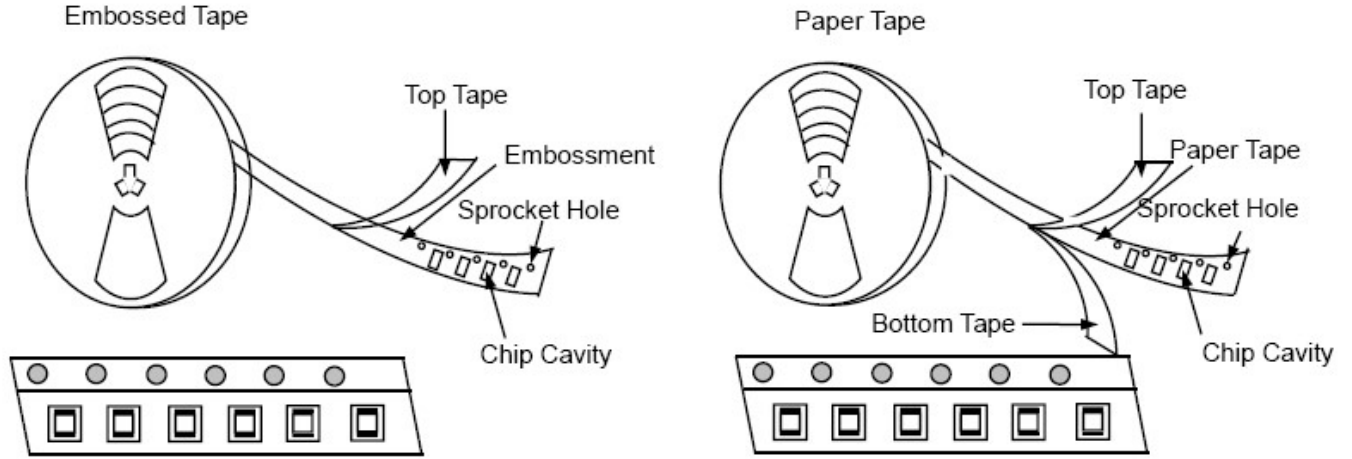
| Part No. | L(uH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|----------------|-------|--------------|--------------------|----------------------|
| YPRH10D40-4R7□ | 4.70 | 100KHz | 0.028 | 6.00 |
| YPRH10D40-100□ | 10.0 | 100KHz | 0.050 | 4.40 |
| YPRH10D40-150□ | 15.0 | 100KHz | 0.070 | 3.60 |
| YPRH10D40-330□ | 33.0 | 100KHz | 0.150 | 2.30 |
| YPRH10D40-390□ | 39.0 | 100KHz | 0.185 | 2.20 |
| YPRH10D40-470□ | 47.0 | 100KHz | 0.134 | 1.60 |
| YPRH10D40-560□ | 56.0 | 100KHz | 0.180 | 1.30 |
| YPRH10D40-101□ | 100 | 100KHz | 0.410 | 1.35 |
| YPRH10D40-221□ | 220 | 100KHz | 0.870 | 0.92 |
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■ YPRH10D50 series

| Part No. | L(μH) | L Test Freq. | DCR(Ω)Max | Rated Current (A) |
|----------------|-------|--------------|-----------|-------------------|
| YPRH10D50-100□ | 10.0 | 100KHz | 0.030 | 4.50 |
| YPRH10D50-150□ | 15.0 | 100KHz | 0.041 | 3.60 |
| YPRH10D50-220□ | 22.0 | 100KHz | 0.075 | 2.40 |
| YPRH10D50-330□ | 33.0 | 100KHz | 0.081 | 1.96 |
| YPRH10D50-470□ | 47.0 | 100KHz | 0.134 | 1.60 |
| YPRH10D50-221□ | 220 | 100KHz | 0.540 | 0.80 |
| YPRH10D50-101□ | 100 | 100KHz | 0.400 | 1.70 |
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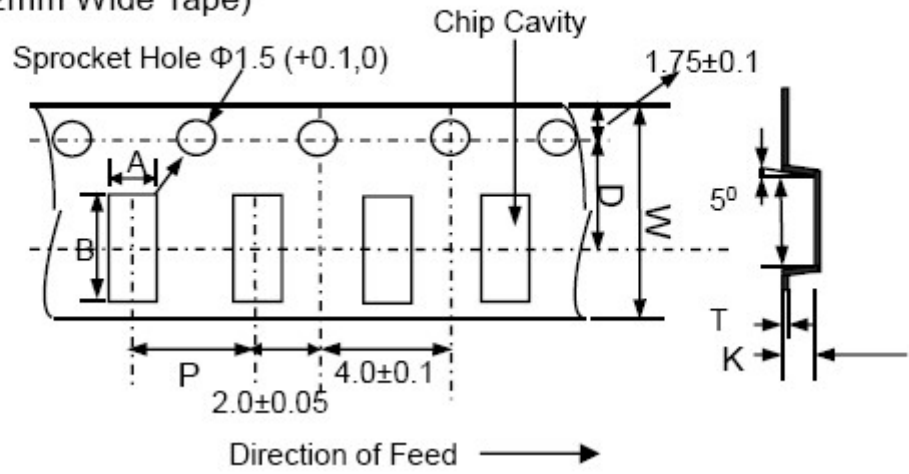
产品包装

TAPING DRAWINGS



TAPING DIMENSIONS (UNIT: mm)

1. Embossed Tape (8/12mm Wide Tape)



X-ON Electronics

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