

CUSTOMER INFORMATION

| Part Number | Rated Inductance (μH) | OCL nominal (μH) @20°C | <u>Irms (A)</u> (note a) | <u>Isat (A-Peak)</u> (note b) | DCR milli-(Ω) max @ 20°C. | SRF typ (MHz) |
|-------------|-----------------------|------------------------|--------------------------|-------------------------------|---------------------------|---------------|
| UP5-1R0-R | 1.0 | 1.0 +/- 20% | 8.60 | 20.0 | 9 | 140 |
| UP5-1R5-R | 1.5 | 1.5 +/-20% | 7.50 | 18 | 12 | 110 |
| UP5-2R2-R | 2.2 | 2.2 +/-20% | 7.10 | 16 | 14 | 75 |
| UP5-3R3-R | 3.3 | 3.3 +/-20% | 6.20 | 14 | 18 | 70 |
| UP5-5R6-R | 5.6 | 5.6+/-20% | 5.30 | 12 | 20 | 45 |
| UP5-100-R | 10.0 | 10.0 +/-20% | 4.30 | 10 | 31 | 21 |
| UP5-150-R | 15.0 | 15.0 +/-20% | 4.00 | 8.0 | 36 | 16 |
| UP5-220-R | 22.0 | 22.0 +/-20% | 3.50 | 7.0 | 47 | 13 |
| UP5-330-R | 33.0 | 33.0 +/-20% | 3.00 | 5.5 | 66 | 11 |
| UP5-470-R | 47.0 | 47.0 +/-20% | 2.60 | 4.5 | 86 | 9 |
| UP5-680-R | 68.0 | 68.0 +/-20% | 2.30 | 3.5 | 130 | 6.5 |
| UP5-101-R | 100 | 100 +/-20% | 1.80 | 3.0 | 190 | 5.7 |
| UP5-151-R | 150 | 150 +/-20% | 1.50 | 2.6 | 250 | 4.5 |
| UP5-221-R | 220 | 220 +/-20% | 1.20 | 2.4 | 380 | 3.7 |
| UP5-331-R | 330 | 330 +/-20% | 1.00 | 1.9 | 560 | 3.0 |
| UP5-471-R | 470 | 470 +/-20% | 0.82 | 1.4 | 850 | 2.7 |
| UP5-681-R | 680 | 680 +/-20% | 0.72 | 1.2 | 1100 | 2.2 |
| UP5-102-R | 1000 | 1000 +/-20% | 0.56 | 1.0 | 1800 | 2.0 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Electrical Requirement Notes: 1) Test Frequency: 100KHz, 1.0V 2) DCR @ 20°C

This Document Subject To Change Without Notice

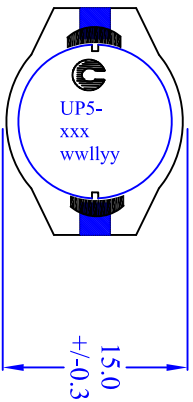
General Specifications:
a) Temp. Rise: 40°C max at Irms
b) Inductance drop is approx. 10% at Isat.
c) Operating Temp: -40°C -- +125°C
d) Storage Temp.: -40°C~+125°C
e) Resistance to Solder Heat: 260°C for 10 secs.
Parts available in Tape and Reel. 13" diameter reel : 250 parts per reel.

Cooper Electronic Technologies
3601 Quantum Blvd, Boynton Beach, FL 33426
Unipac 5 (UP5) Inductor Line
SMD, 7.5mm max ht, Drum core/header

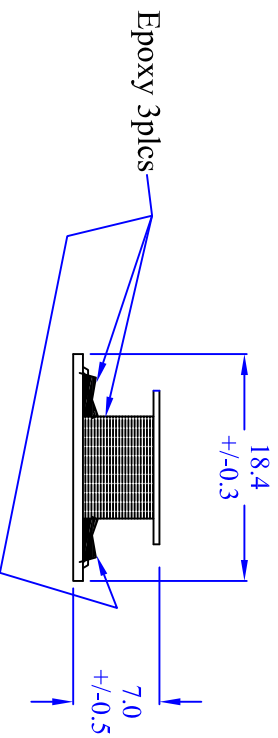
| Option Code (Suffix) | Description |
|----------------------|------------------------|
| -R | RoHS Compliant Version |

| | | | |
|------|--|--------------|--|
| SIZE | Drawing Number: UP5-R Inductor Line | | |
| A | Revision Level: B | Sheet 2 of 4 | |

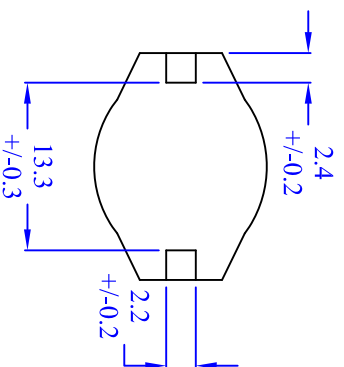
TOP VIEW



FRONT VIEW



BOTTOM VIEW

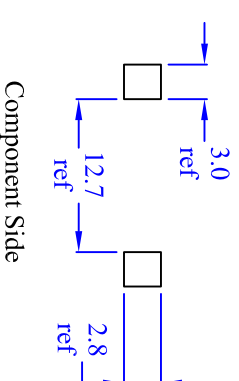


This Document Subject To Change Without Notice

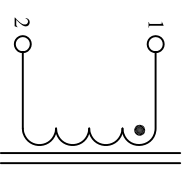
Notes:

- 1) All Dimensions are in millimeters unless otherwise specified.
- 2) Stamp as Shown above--
 Line 1- "C" logo
 Line 2- UP5
 Line 3- xxx (xxx=inductance value per family chart)
 Line 4- wwllly
 ww=(week date code), ll=(location), yy=(year)
- 3) RoHS Compliant

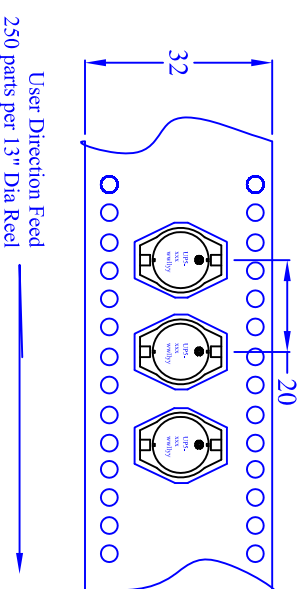
RECOMMENDED PCB LAYOUT



SCHEMATIC



TAPE AND REEL ORIENTATION



Cooper Electronic Technologies

3601 Quantum Boulevard, Boynton Beach, FL 33426

Unipac 5 (UP5) Inductor Line
 SMD, 7.5mm max ht, Drum core/header

| | | |
|------|-------------------------------------|--------------|
| Size | Drawing Number: UP5-R Inductor Line | |
| A | Revision Level: B | Sheet 3 of 4 |