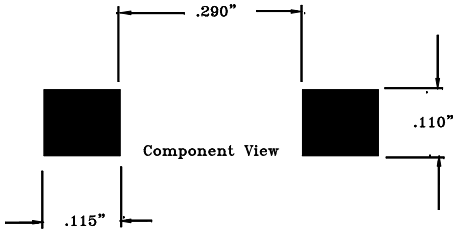
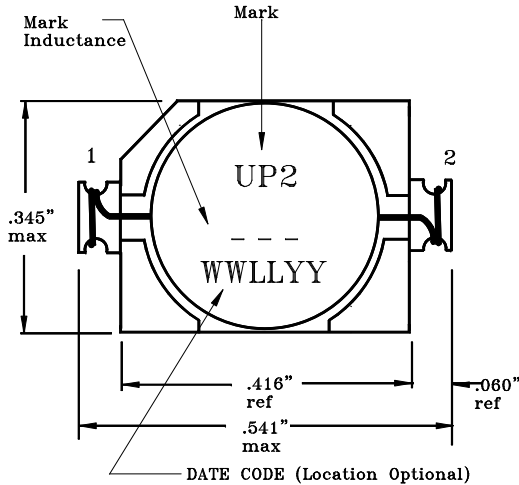
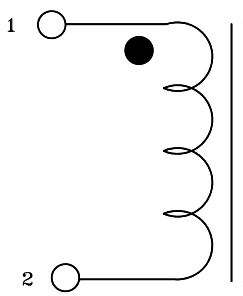


RECOMMENDED PCB PAD LAYOUT

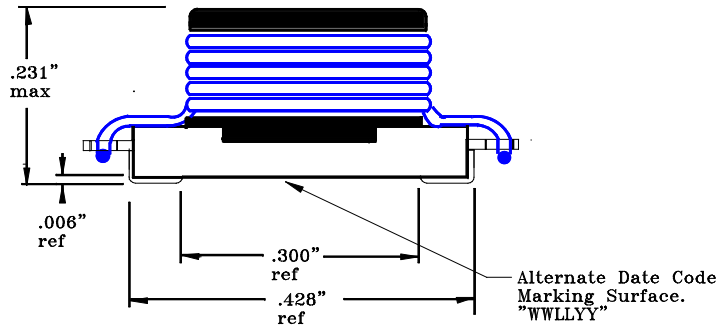
TOP VIEW



SCHEMATIC



FRONT VIEW



Notes:

- 1) Tolerances +/- .005" unless otherwise specified.
- 2) Stamping: Stamp unit on top of core as shown
Line 1 UP2 ; line 2 Inductance (per family table chart).
- 3) RoHS Compliant

Cooper Electronic Technologies
3601 Quantum Boulevard, Boynton Beach FL. 33426

UniPac2 SMT Inductor Line FINISHED
ASSEMBLY/FAMILY TABLE.

| | | |
|------|-----------------|---------------------|
| SIZE | Drawing Number: | UP2-R Inductor Line |
| A | Revision Level: | J |

| UniPac2 Family Table | | | Customer Information | | | | | | | |
|--|--|------------------------|--|--|-----------------------------|--|---|-----------------|--|---------------|
| PN | | Rated Inductance μH | OCL nominal +/-20% μH Note(1) | | I rms Amperes Note(2) | | Isat Amperes Note(3) | | DCR ohms (Ω) maximum. @ 20°C. | |
| UP2-R47-R | | .47 | .595 | | 10.1 | | 11.4 | | .0049 | |
| *UP2-1R0-R | | 1.0 | 1.00 | | 9.0 | | 9.9 | | .0081 | |
| UP2-1R5-R | | 1.5 | 1.46 | | 8.1 | | 7.9 | | .0103 | |
| *UP2-2R2-R | | 2.2 | 2.39 | | 6.9 | | 6.1 | | .0115 | |
| UP2-3R3-R | | 3.3 | 3.3*** | | 6.5 | | 5.1 | | .0138 | |
| *UP2-4R7-R | | 4.7 | 4.77 | | 5.7 | | 4.2 | | .0173 | |
| UP2-6R8-R | | 6.8 | 6.63 | | 5.0 | | 3.6 | | .0230 | |
| **UP2-8R2-R | | 8.2 | 8.71 | | 4.7 | | 3.2 | | .0245 | |
| *UP2-100-R | | 10 | 9.73 | | 4.3 | | 3.3 | | .0299 | |
| *UP2-150-R | | 15 | 15.43 | | 3.6 | | 2.4 | | .0449 | |
| *UP2-220-R | | 22 | 22.50 | | 2.9 | | 2.0 | | .0644 | |
| *UP2-330-R | | 33 | 33.13 | | 2.4 | | 1.7 | | .0989 | |
| *UP2-470-R | | 47 | 48.65 | | 1.9 | | 1.4 | | .1461 | |
| UP2-680-R | | 68 | 68.17 | | 1.7 | | 1.2 | | .1898 | |
| **UP2-820-R | | 82 | 85.60 | | 1.5 | | 1.0 | | .2473 | |
| UP2-101-R | | 100 | 102.60 | | 1.4 | | .95 | | .2772 | |
| UP2-151-R | | 150 | 152.70 | | 1.1 | | .78 | | .4244 | |
| UP2-221-R | | 220 | 230.00 | | .93 | | .62 | | .6360 | |
| UP2-331-R | | 330 | 338.00 | | .76 | | .51 | | .9775 | |
| **UP2-471-R | | 471 | 471.8 | | .55 | | .44 | | 1.31 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Part number definition: First 3 characters = Product code and size. Last 3 characters = Inductance in μH. R=decimal point. If no R is present third character = # of zeros. Part Numbers that are *BOLDED are stocked standard product. All others are not stocked but available upon request. Part Numbers that are **BOLDED are Non-catalog and non-stocked product but are available upon request. | | | | | | | | | | |
| Notes: | | | | | | | Cooper Electronic Technologies | | | |
| (1) Test parameters: 0.250Vrms, 100KHz, and 0.0Adc. (2) Rms current for a ΔT of 40°C. at an ambient temeperature of 85°C.. (3) Peak current for approximateley a 10% rolloff. (4) Units supplied in tape and reel (600 units per 13” reel) packaging. EIA481 compliant. (5) OCL= Open circuit inductance . (6) Hipot: winding to core 300Vdc min. (7) *** UP2-3R3 to be tested to meet 3.3uH +/-20% | | | | | | | 3601 Quantum Boulevard,Boynton Boulevard,FL 33426 | | | |
| | | | | | | | UniPac2 SMT Inductor Line FINISHED ASSEMBLY/ FAMILY TABLE. | | | |
| | | | | | | | SIZE A | Drawing Number: | UP2-R Inductor Line | |
| | | | | | | | | Revision Level: | J | Sheet 5 of 45 |

Mouser Electronics

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