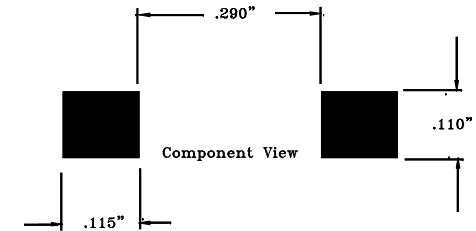
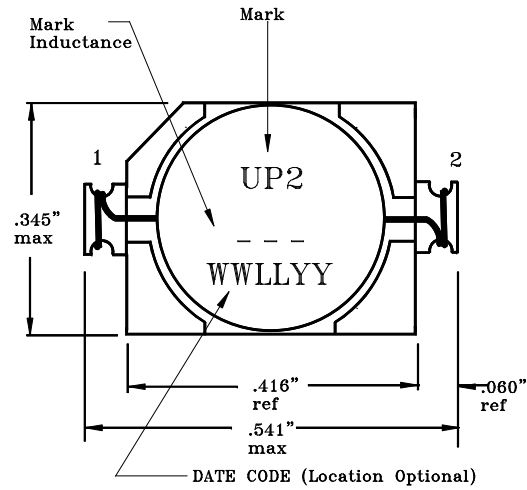
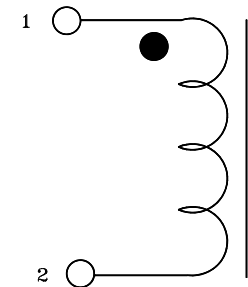


## RECOMMENDED PCB PAD LAYOUT

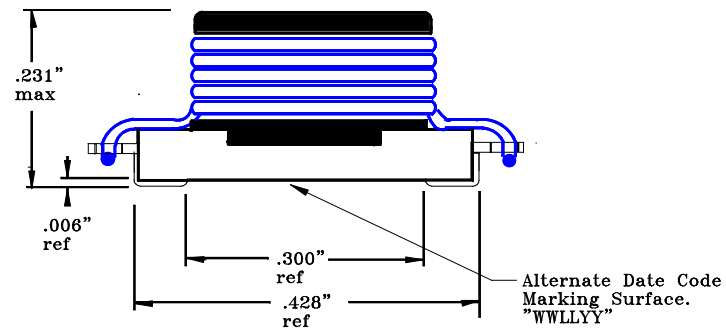
### TOP VIEW



### 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 Sheet 3 of 45

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	
<b>*UP2-1R0-R</b>		<b>1.0</b>	<b>1.00</b>		<b>9.0</b>		<b>9.9</b>		<b>.0081</b>	
UP2-1R5-R		1.5	1.46		8.1		7.9		.0103	
<b>*UP2-2R2-R</b>		<b>2.2</b>	<b>2.39</b>		<b>6.9</b>		<b>6.1</b>		<b>.0115</b>	
UP2-3R3-R		3.3	3.3***		6.5		5.1		.0138	
<b>*UP2-4R7-R</b>		<b>4.7</b>	<b>4.77</b>		<b>5.7</b>		<b>4.2</b>		<b>.0173</b>	
UP2-6R8-R		6.8	6.63		5.0		3.6		.0230	
<b>**UP2-8R2-R</b>		<b>8.2</b>	<b>8.71</b>		<b>4.7</b>		<b>3.2</b>		<b>.0245</b>	
<b>*UP2-100-R</b>		<b>10</b>	<b>9.73</b>		<b>4.3</b>		<b>3.3</b>		<b>.0299</b>	
<b>*UP2-150-R</b>		<b>15</b>	<b>15.43</b>		<b>3.6</b>		<b>2.4</b>		<b>.0449</b>	
<b>*UP2-220-R</b>		<b>22</b>	<b>22.50</b>		<b>2.9</b>		<b>2.0</b>		<b>.0644</b>	
<b>*UP2-330-R</b>		<b>33</b>	<b>33.13</b>		<b>2.4</b>		<b>1.7</b>		<b>.0989</b>	
<b>*UP2-470-R</b>		<b>47</b>	<b>48.65</b>		<b>1.9</b>		<b>1.4</b>		<b>.1461</b>	
UP2-680-R		68	68.17		1.7		1.2		.1898	
<b>**UP2-820-R</b>		<b>82</b>	<b>85.60</b>		<b>1.5</b>		<b>1.0</b>		<b>.2473</b>	
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	
<b>**UP2-471-R</b>		<b>471</b>	<b>471.8</b>		<b>.55</b>		<b>.44</b>		<b>1.31</b>	

**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:

(1) Test parameters: 0.250Vrms, 100KHz, and 0.0Adc.

(2) Rms current for a ΔT of 40°C. at an ambient temperature 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%

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UniPac2 SMT Inductor Line FINISHED ASSEMBLY/  
FAMILY TABLE.

SIZE	Drawing Number:	UP2-R Inductor Line
A	Revision Level: J	Sheet 5 of 45