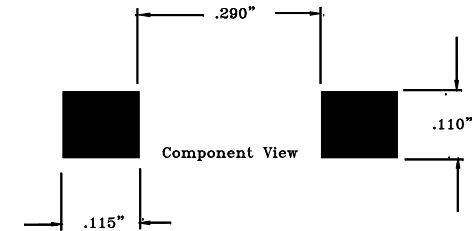
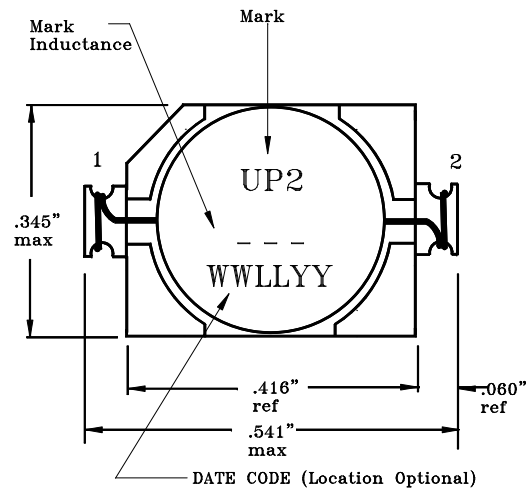
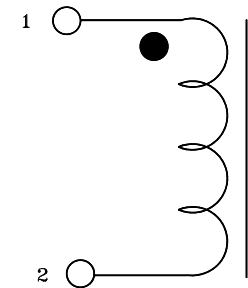


RECOMMENDED PCB PAD LAYOUT

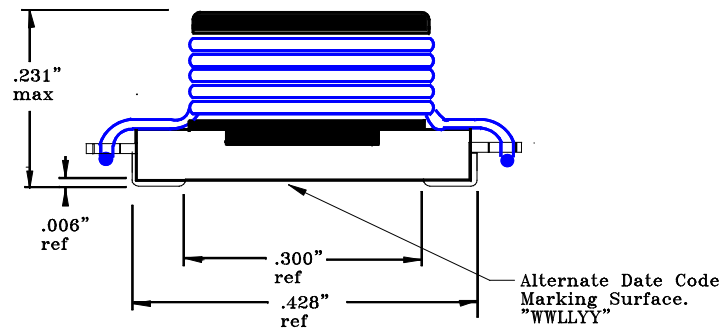
TOP VIEW



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 $\pm 20\%$ 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:

- (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

Mouser Electronics

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