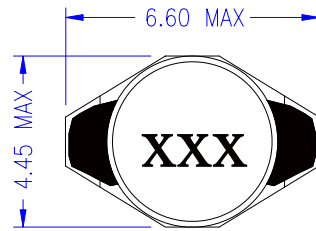
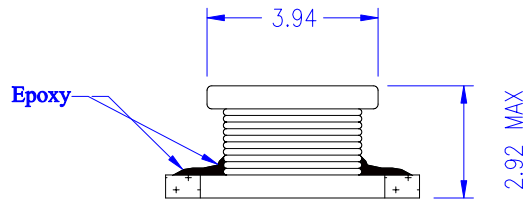


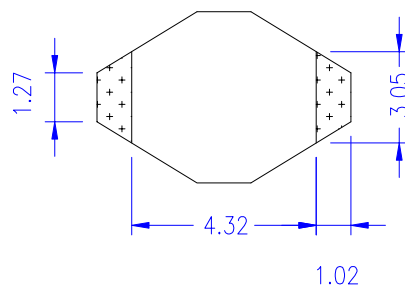
## TOP VIEW



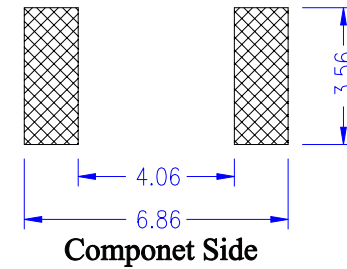
## FRONT VIEW



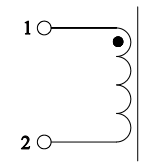
## BOTTOM VIEW



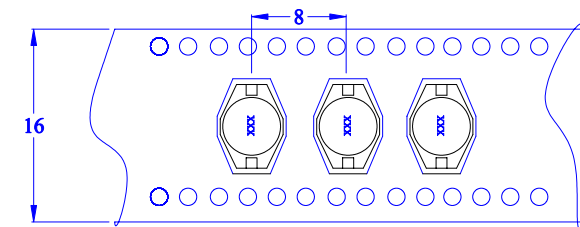
## RECOMMENDED PCB LAYOUT



## SCHEMATIC



## TAPE AND REEL ORIENTATION



User Direction Feed  
2,500 parts per 13" Dia Reel

## Cooper Electronic Technologies

3601 Quantum Boulevard, Boynton Beach, FL 33426

Unipac 0.4UC (UP0.4UC) Inductor Line  
SMD, 2.92mm max ht, Drum core/header

Size	Drawing Number:	UP0.4UC-R Inductor Line
A	Revision Level:	B

Sheet 3 of 4

This Document Is Subject To Change Without Notice.

### Notes:

- 1) All Dimensions are in millimeters unless otherwise specified.
- 2) Stamp as Shown above--  
Line 1- xxx (xxx=inductance value per family chart)
- 3) Tolerances are +/-0.381mm unless otherwise specified.
- 4) RoHS Compliant

## CUSTOMER INFORMATION

Part Number	Rated Inductance (μH)	OCL nominal (μH) @20°C	I <sub>RMS</sub> Amperes for approximately a ΔT of 30°C. above 85°C ambient	I <sub>SAT</sub> Amperes Peak for approximately 10 % rolloff (@ 20°C).	DCR milli-(Ω) max @ 20°C.	SRF typ (MHz)
UP0.4UC-1R0	1.0	1.0+/-20%	2.9	2.9	50.0	130
UP0.4UC-1R5	1.5	1.5 +/-20%	2.8	2.6	50.0	115
UP0.4UC-2R2	2.2	2.2+/-20%	2.4	2.3	70.0	90
UP0.4UC-3R3	3.3	3.3+/-20%	2.0	2.0	80.0	70
UP0.4UC-4R7	4.7	4.7+/-20%	1.5	1.5	90.0	50
UP0.4UC-6R8	6.8	6.8+/-20%	1.4	1.2	130	45
UP0.4UC-100	10.0	10.0+/-20%	1.1	1.1	160	35
UP0.4UC-150	15.0	15.0+/-20%	1.0	0.9	230	30
UP0.4UC-220	22.0	22.0+/-20%	0.80	0.7	370	20
UP0.4UC-330	33.0	33.0+/-20%	0.60	0.58	510	15
UP0.4UC-470	47.0	47.0+/-20%	0.50	0.5	640	14
UP0.4UC-680	68.0	68.0+/-20%	0.40	0.4	860	11
UP0.4UC-101	100	100+/-20%	0.30	0.31	1270	9
UP0.4UC-151	150	150+/-20%	0.25	0.27	2000	6
UP0.4UC-221	220	220+/-20%	0.20	0.22	3110	5.5
UP0.4UC-331	330	330+/-20%	0.16	0.18	3800	5
UP0.4UC-471	470	470+/-20%	0.15	0.16	5060	4
UP0.4UC-681	680	680+/-20%	0.12	0.14	9200	3
UP0.4UC-102	1000	1000+/-20%	0.07	0.10	13800	2

**Electrical Requirement Notes:** 1) Test Frequency: 100KHz,0.1V      2) DCR @ 20°C

**This Document Is Subject To Change Without Notice.**

**General Specifications:**

- a) Temp. Rise: 30°C typ at Irms
  - b) Inductance drop is approx. 10% at Isat.
  - c) Operating Ambient Temp: -25°C ~ +85°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 : 2,500 parts per reel.

Option Code (Suffix) | Description

<b>Cooper Electronic Technologies</b>	
3601 Quantum Blvd, Boynton Beach, FL 33426	
Unipac 0.4UC (UP0.4UC) Inductor Line	
SMD, 2.92mm max ht, Drum core/header	
SIZE	Drawing Number: UP0.4UC-R Inductor Line