Excellent Integrated System Limited

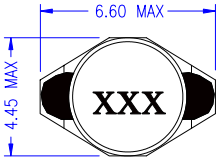
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

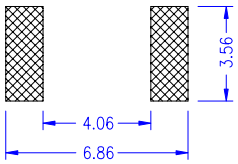
Eaton (formerly Cooper Bussmann)
UP0.4SC-100-R

For any questions, you can email us directly:
sales@integrated-circuit.com

TOP VIEW

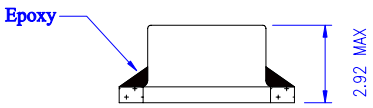


RECOMMENDED PCB LAYOUT

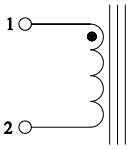


Component Side

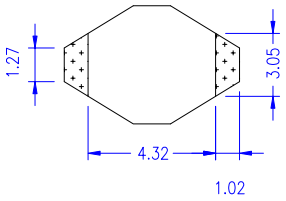
FRONT VIEW



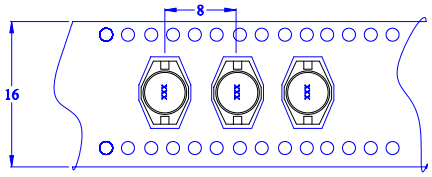
SCHEMATIC



BOTTOM VIEW



TAPE AND REEL ORIENTATION



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

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.

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

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

Size	Drawing Number:	UP0.4SC-R Inductor Line	
A	Revision Level:	B	Sheet 3 of 4

Distributor of Eaton (formerly Cooper Bussmann) : Excellent Integrated System Limited
Datasheet of UP0.4SC-100-R - FIXED IND 10UH 1A 75 MOHM SMD
Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

CUSTOMER INFORMATION

Part Number	Rated Inductance (µH)	OCL nominal (µH) @20°C	Irms (max) (a)		Q min	DCR (Ω) max @ 20°C.	SRF typ (MHz)
UP0.4SC-1R0	1.0	1.0+/-20%	3.0		30 @ 200kHz	.040	250
UP0.4SC-1R5	1.5	1.5 +/-20%	2.8		30 @ 200kHz	.045	125
UP0.4SC-2R2	2.2	2.2+/-20%	1.8		40 @ 200kHz	.050	120
UP0.4SC-3R3	3.3	3.3+/-20%	1.6		40 @ 200kHz	.055	120
UP0.4SC-4R7	4.7	4.7+/-20%	1.4		40 @ 200kHz	.060	105
UP0.4SC-6R8	6.8	6.8+/-20%	1.2		40 @ 200kHz	.065	50
UP0.4SC-100	10.0	10.0+/-20%	1.0		40 @ 200kHz	.075	38
UP0.4SC-150	15.0	15.0+/-20%	0.80		40 @ 200kHz	.090	33
UP0.4SC-220	22.0	22.0+/-20%	0.70		40 @ 100kHz	.110	25
UP0.4SC-330	33.0	33.0+/-20%	0.60		40 @ 100kHz	.190	20
UP0.4SC-470	47.0	47.0+/-20%	0.50		40 @ 100kHz	.230	20
UP0.4SC-680	68.0	68.0+/-20%	0.40		40 @ 100kHz	.290	15
UP0.4SC-101	100	100+/-20%	0.30		40 @ 100kHz	.480	10
UP0.4SC-151	150	150+/-20%	0.26		40 @ 100kHz	.590	9
UP0.4SC-221	220	220+/-20%	0.22		40 @ 100kHz	.770	6
UP0.4SC-331	330	330+/-20%	0.20		40 @ 100kHz	1.4	5
UP0.4SC-471	470	470+/-20%	0.19		40 @ 100kHz	1.8	4
UP0.4SC-681	680	680+/-20%	0.18		40 @ 100kHz	2.2	3
UP0.4SC-102	1000	1000+/-20%	0.15		40 @ 100kHz	3.4	2
UP0.4SC-152	1500	1500+/-20%	0.12		50 @ 100kHz	4.2	2
UP0.4SC-222	2200	2200+/-20%	0.10		50 @ 100kHz	8.5	2
UP0.4SC-332	3300	3300+/-20%	0.08		50 @ 100kHz	11.0	1
UP0.4SC-472	4700	4700+/-20%	0.06		50 @ 100kHz	13.9	1
UP0.4SC-682	6800	6800+/-20%	0.04		50 @ 100kHz	25.0	1
UP0.4SC-103	10000	10000+/-20%	0.02		50 @ 100kHz	32.8	.08

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

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General Specifications:

a) Temp. Rise: 30°C typ at Irms
b) Operating Temp: -40°C -- +125°C
c) Storage Temp.: -25°C~+125°C
d) 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
-R	ROHS compliant Version

Cooper Electronic Technologies
3601 Quantum Blvd, Boynton Beach, FL 33426
Unipac 0.4SC (UP0.4SC) Inductor Line
SMD, 2.92mm max ht, Shielded Drum core/header

SIZE	Drawing Number:	**UP0.4SC-R Inductor Line**	
A	Revision Level:	B	Sheet 2 of 4