



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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#### Description

- Miniature size and rugged construction
- Designed for high shock environments
- Suited for IR and vapor reflow solder
- Frequency range 1kHz to 2MHz
- Ferrite core material



#### Applications

- Computer, pager and battery powered equipment

#### Environmental Data

- Storage temperature range: -40°C to +125°C
- Operating ambient temperature range: -40°C to +85°C range is application specific. Temperature rise is approximately 40°C at rated RMS current. Maximum operating temperature is 125°C including ambient.
- Solder reflow temperature: +260°C max. for 10 seconds max.

#### Packaging

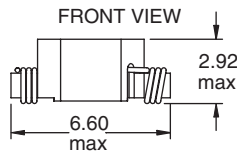
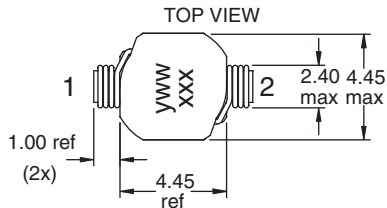
- Supplied in tape and reel packaging, 2,500 per reel

Part Number	Inductance $\mu\text{H}$ (Rated)	OCL (1) $\mu\text{H} \pm 20\%$	I <sub>rms</sub> (2) Amperes	I <sub>sat</sub> (3) Amperes	DCR (4) Ohms (Max)
UP0.4C-1R0-R	1.0	1.16	2.88	3.33	0.030
UP0.4C-1R5-R	1.5	1.49	2.58	2.94	0.034
UP0.4C-2R2-R	2.2	2.27	2.15	2.38	0.050
UP0.4C-3R3-R	3.3	3.22	1.89	2.00	0.060
UP0.4C-4R7-R	4.7	4.95	1.55	1.61	0.088
UP0.4C-6R8-R	6.8	7.06	1.30	1.35	0.128
UP0.4C-100-R	10	9.53	1.16	1.16	0.156
UP0.4C-150-R	15	14.5	0.95	0.94	0.250
UP0.4C-220-R	22	21.8	0.76	0.77	0.360
UP0.4C-270-R	27	27.5	0.69	0.68	0.480
UP0.4C-330-R	33	32.2	0.64	0.63	0.560
UP0.4C-390-R	39	39.0	0.59	0.57	0.650
UP0.4C-470-R	47	46.5	0.53	0.53	0.820
UP0.4C-680-R	68	68.2	0.45	0.43	1.10
UP0.4C-101-R	100	102.5	0.37	0.35	1.58

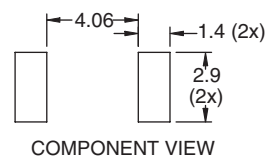
1) Open Circuit Inductance Test Parameters: 100kHz, 0.250 V<sub>rms</sub>, 0.0 Adc  
 2) RMS current, delta temp. of 40°C ambient temperature of 85°C

3) Peak current for approximately 30% roll-off @ 20°C  
 4) Values @ 20°C

#### Mechanical Diagrams



#### RECOMMENDED PCB LAYOUT



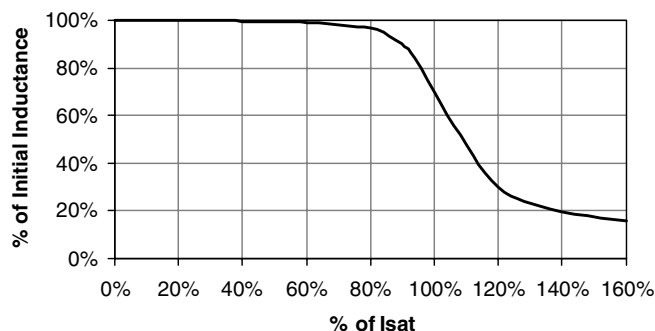
#### SCHEMATIC



Dimensions in Millimeters.

yww = Date Code xxx = Inductance value per family chart

#### Inductance Characteristics



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