

**Description**

Uni-Pac™ surface mount inductors can be used in DC/DC converters and as signal conditioning or filter inductors. Because of their miniature size and rugged construction, Uni-Pacs are ideally suited for products requiring higher power per millimeter of PCB space. Such applications include notebook computers, pagers and a variety of battery powered equipment.

**Features**

- Suited for IR and Vapor Phase Reflow
- Frequency Range 1kHz to 2MHz
- Designed for High Shock Environments
- Ideal for Energy Storage Applications

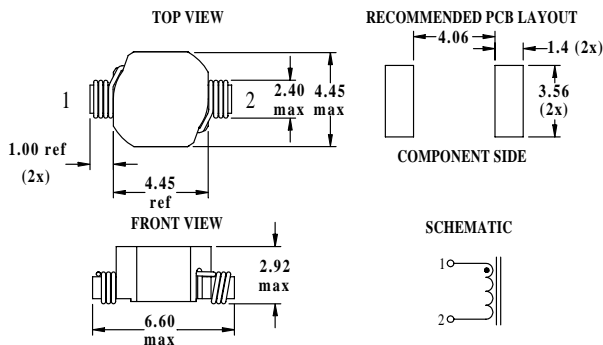


**ELECTRICAL SPECIFICATIONS**

Part Number	Inductance $\mu\text{H}$ (Rated)	OCL (1) $\mu\text{H} \pm 20\%$	I <sub>rms</sub> (2) Amperes (Ref)	I <sub>sat</sub> (3) Amperes (Ref)	DCR (4) Ohms (Max)	Q (Ref)	z SRF MHz (Ref)
UP0.4C-1R0	1.0	1.16	2.88	3.33	.030	20	210
UP0.4C-2R2	2.2	2.27	2.15	2.38	.050	20	150
UP0.4C-4R7	4.7	4.95	1.55	1.61	.088	25	80
UP0.4C-100	10	9.53	1.16	1.16	.156	25	50
UP0.4C-150	15	14.5	.95	0.94	.250	25	45
UP0.4C-220	22	21.8	.76	0.77	.360	25	33
UP0.4C-330	33	32.2	.64	0.63	.560	30	26
UP0.4C-470	47	46.5	.53	0.53	.820	30	20

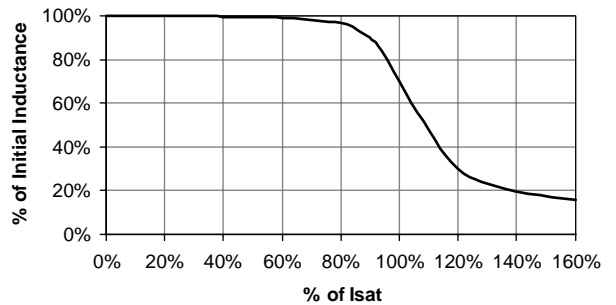
- 1) Open Circuit Inductance Test Parameters: 100kHz, 0.250 V<sub>rms</sub>, 0.0 A<sub>dc</sub>
- 2) RMS current, delta temp. of 40°C ambient temperature of 85°C
- 3) Peak current for approximately 30% roll-off
- 4) Values @ 20°C

Parts packaged on tape-and-reel at 2,500 units per reel



Component view  
 Dimensions in Millimeters

**INDUCTANCE VS SATURATION CURRENT**



Specifications are subject to change without notice.