

CUSTOMER INFORMATION

Part Number	Rated Inductance (μH)	OCL nominal (μH) @20°C	Irms (A) (note a)	Isat (A-Peak) (note b)	DCR milli-(Ω) max @ 20°C.	Q ref 100kHz	SRF typ (MHz)	
UP2SC-1R0	1.0	1.0 +/- 20%	5.00	11.0	21.0	50	130	
UP2SC-1R5	1.5	1.5 +/-20%	4.50	9.05	22.0	60	110	
UP2SC-2R2	2.2	2.2 +/-20%	3.10	7.03	27.0	70	90	
UP2SC-3R0	3.0	3.3 +/-20%	2.90	6.60	30.0	70	65	
UP2SC-4R7	4.7	4.7+/-20%	2.50	4.70	40.0	70	50	
UP2SC-6R8	6.8	6.8 +/-20%	2.20	3.90	55.0	70	30	
UP2SC-100	10.0	10.0 +/-20%	2.00	3.41	65.0	60	28	
UP2SC-120	12.0	12.0 +/-20%	1.80	3.30	80.0	60	25	
UP2SC-150	15.0	15.0 +/-20%	1.70	2.90	85.0	60	20	
UP2SC-180	18.0	18.0 +/-15%	1.60	2.50	90.0	60	19	
UP2SC-220	22.0	22.0 +/-15%	1.40	2.40	100	50	18	
UP2SC-270	27.0	27.0 +/-15%	1.30	2.20	120	50	16	
UP2SC-330	33.0	33.0 +/-15%	1.20	1.83	160	70	14	
UP2SC-390	39.0	39.0 +/-15%	1.05	1.73	180	70	12	
UP2SC-470	47.0	47.0 +/-15%	1.00	1.61	190	70	11	
UP2SC-560	56.0	56.0 +/-15%	0.90	1.48	210	70	10	
UP2SC-680	68.0	68.0 +/-15%	0.82	1.39	340	85	9	
UP2SC-820	82.0	82.0 +/-15%	0.75	1.27	380	85	8	
UP2SC-101	100	100 +/-10%	0.68	1.09	420	85	7.5	
UP2SC-121	120	120 +/-10%	0.60	1.03	460	90	7.0	
UP2SC-151	150	150 +/-10%	0.55	0.93	520	90	6.3	
UP2SC-181	180	180 +/-10%	0.50	0.82	700	100	5.5	
UP2SC-221	220	220 +/-10%	0.45	0.75	800	100	5.0	
UP2SC-271	270	270 +/-10%	0.40	0.70	1100	100	4.5	
UP2SC-331	330	330 +/-10%	0.35	0.62	1200	110	4.0	
UP2SC-391	390	390 +/-10%	0.33	0.57	1400	110	3.8	

Electrical Requirement Notes: 1) Test Frequency: 100KHz, .25V 2) DCR @ 20°C

This Document Is Subject To Change Without Notice.

General Specifications:

- a) Temp. Rise: 40°C max at Irms
 - b) Inductance drop is 10% typ, at Isat
 - c) Operating Temp: -25°C -- +85°C
 - d) Storage Temp.: -40°C~+105°C
 - e) Resistance to Solder Heat: 260°C for 10 secs.
- Parts available in Tape and Reel. 13" diameter reel : 500 parts per reel.

Cooper Electronic Technologies

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Unipac 2SC (UP2SC) Inductor Line
SMD, 5.2mm max ht, Shileded Drum core/header

SIZE	Drawing Number:	UP2SC Inductor Line	
A	Revision Level:	A	Sheet 2 of 4