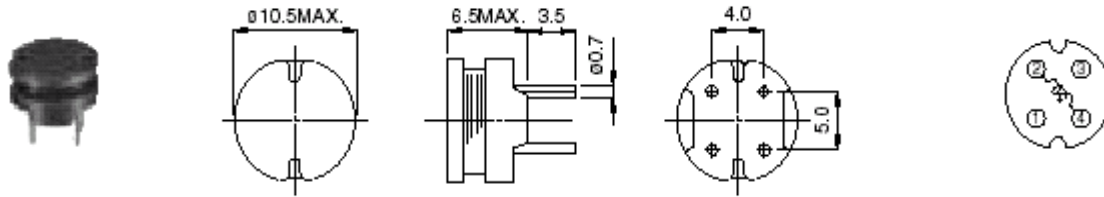


RCH Series Power Inductors

RCH-106

Dimensions(mm)



Specifications

Parts No.	Inductance	DCR.(Max) Typical /Rated DC. Current (A)	Parts No.	Inductance	DCR.(Max) Typical /Rated DC. Current (A)
6R3	6.3uH		561	560uH	1.900(1.430)/0.48
7R5	7.5uH		681	680uH	2.200(1.680)/0.43
8R8	8.8uH		821	820uH	2.600(1.930)/0.40
100	10uH	0.040(0.026)/3.60	102	1.0mH	3.200(2.440)/0.36
120	12uH	0.044(0.029)/3.30	122	1.2mH	
150	15uH	0.058(0.040)/2.90	152	1.5mH	
180	18uH	0.064(0.043)/2.70	182	1.8mH	
220	22uH	0.088(0.060)/2.40	222	2.2mH	
270	27uH	0.100(0.069)/2.20	272	2.7mH	
330	33uH	0.110(0.077)/2.00	332	3.3mH	
390	39uH	0.140(0.110)/1.80	392	3.9mH	
470	47uH	0.160(0.120)/1.70	472	4.7mH	
560	56uH	0.190(0.130)/1.50	562	5.6mH	
680	68uH	0.220(0.150)/1.40	682	6.8mH	
820	82uH	0.290(0.200)/1.30	822	8.2mH	
101	100uH	0.320(0.240)/1.30	103	10mH	
121	120uH	0.380(0.270)/1.20	123	12mH	
151	150uH	0.500(0.360)/1.00	153	15mH	
181	180uH	0.560(0.420)/0.84	183	18mH	
221	220uH	0.780(0.560)/0.76	223	22mH	
271	270uH	0.920(0.670)/0.69	273	27mH	
331	330uH	1.100(0.760)/0.62	333	33mH	
391	390uH	1.300(0.940)/0.57	393	39mH	
471	470uH	1.500(1.090)/0.52	473	47mH	

Tolerance of Inductance: 10uH-27uH $\pm 20\%$ (M); 33uH-1.0mH $\pm 10\%$ (K)

Test Frequency:L 10uH-82uH (2.52MHz); 100uH-47mH (1KHz).

This indicates the value of the current when the inductance is 10% lower than its initial value at D.C. superimposition or D.C. current when at $t=40^{\circ}\text{C}$, whichever is lower. ($T_a=20^{\circ}\text{C}$)