



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



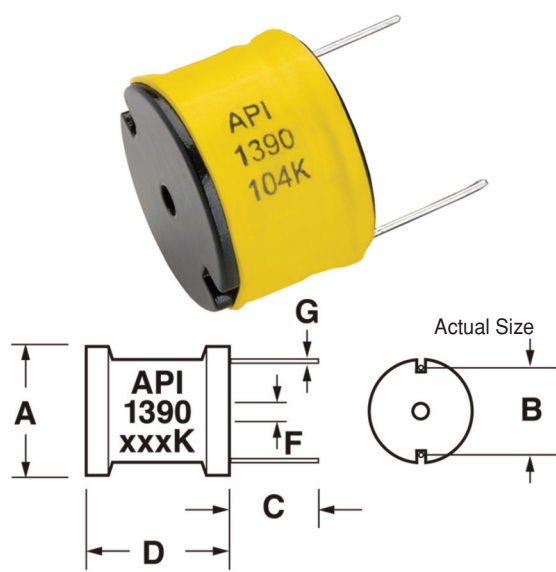
**SERIES**

**DC1390R**  
**DC1390**



**High Current Power Line Chokes**

DASH NUMBER  
INDUCTANCE (µH) ±10% @ 1.00 KHZ  
MAXIMUM (OHMS) @ 25°C  
DC RESISTANCE @ 25°C  
CURRENT RATING MAXIMUM (A DC)  
INCREMENTAL CURRENT (A DC)  
LEAD DIAMETER (Inches, Reference)



**Physical Parameters**

	Inches	Millimeters
A	1.400 to 1.480	35.56 to 37.60
B	1.150 Reference	29.21 Reference
C	0.750 Minimum	19.05 Minimum
D	1.064 Maximum	27.03 Maximum
F	0.200 Reference	5.08 Reference
G	See Table	

SERIES DC1390 and DC1390R					
-153K	15.0	0.006	19.9	33.3	0.081
-183K	18.0	0.008	17.3	30.4	0.081
-223K	22.0	0.009	16.3	28.0	0.081
-273K	27.0	0.010	15.4	25.9	0.081
-333K	33.0	0.011	14.7	22.6	0.081
-393K	39.0	0.012	14.1	21.2	0.081
-473K	47.0	0.018	11.5	20.0	0.072
-563K	56.0	0.019	11.2	17.5	0.072
-683K	68.0	0.021	10.7	16.3	0.064
-823K	82.0	0.023	10.2	14.9	0.064
-104K	100	0.025	9.76	13.2	0.064
-124K	120	0.028	9.23	12.3	0.064
-154K	150	0.040	7.72	10.8	0.057
-184K	180	0.045	7.28	9.86	0.057
-224K	220	0.050	6.90	9.09	0.057
-274K	270	0.056	6.52	8.05	0.057
-334K	330	0.074	5.67	7.37	0.051
-394K	390	0.082	5.39	6.80	0.051
-474K	470	0.114	4.57	6.20	0.046
-564K	560	0.125	4.37	5.69	0.046
-684K	680	0.139	4.14	5.11	0.046
-824K	820	0.154	3.93	4.70	0.046
-105K	1000	0.216	3.32	4.24	0.041
-125K	1200	0.232	3.21	3.87	0.041
-155K	1500	0.324	2.71	3.45	0.036
-185K	1800	0.360	2.57	3.14	0.036
-225K	2200	0.494	2.20	2.86	0.032
-275K	2700	0.555	2.07	2.58	0.032
-335K	3300	0.773	1.76	2.33	0.029
-395K	3900	0.845	1.68	2.14	0.029

\*Complete part # must include series # PLUS the dash #

For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)

**Operating Temperature Range** -55°C to +125°C;  
(-55°C to +80°C @ full current)

**Current Rating at 80° Ambient** 45°C Temperature Rise

**Maximum Power Dissipation at +80°C** 3.30 Watts  
Maximum

**Inductance** Measured @ 1 kHz with 0 ADC  
on Wayne Kerr 3245A, or equivalent

**Leads** Solder coated to within 1/16" of Body

**Incremental Current** The amount of DC that decreases  
the inductance by 5% maximum, relative to the 0 ADC

**Dielectric Withstanding Voltage** 1000 Vrms Minimum

**Mechanical Configuration** Center hole allows for  
mounting

**Marking** API, 1390 or 1390R, dash number (per table)  
and inductance tolerance letter

API  
1390  
xxxK

**Packaging** Bulk only