

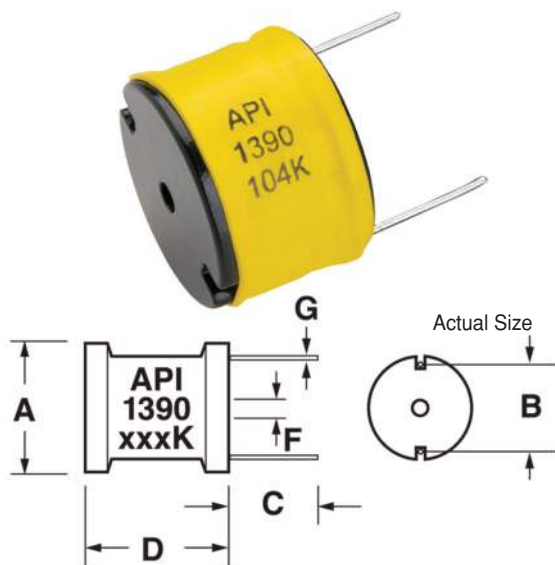
SERIES

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 #

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