

**SERIES**

**DC1050R  
DC1050**

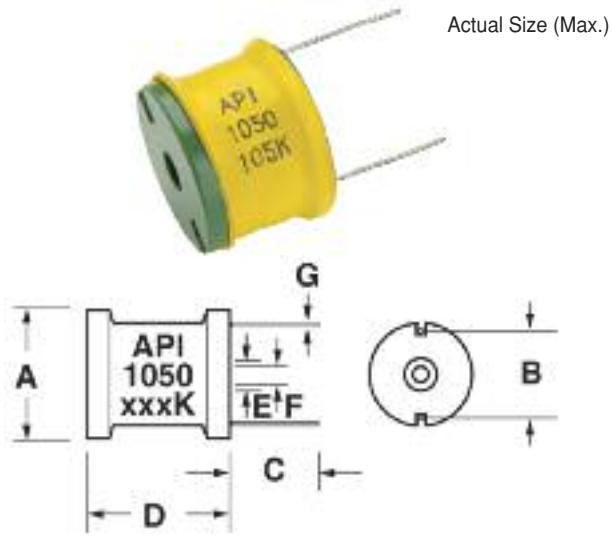


**High Current Power Line Chokes**

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

**SERIES DC1050 and DC1050R**

DASH NUMBER	INDUCTANCE (μH) ±10% @ 1.00 KHZ	MAXIMUM (OHMS) @ 25°C	DC RESISTANCE MAXIMUM (A DC)	CURRENT RATING MAXIMUM (A DC)	INCREMENTAL CURRENT (A DC)	LEAD DIAMETER (Inches, Reference)
-104K	100	0.034	7.5	9.0	0.046	
-124K	120	0.046	6.5	8.0	0.040	
-154K	150	0.064	5.5	7.0	0.040	
-184K	180	0.072	5.1	6.5	0.040	
-224K	220	0.080	4.8	6.0	0.040	
-274K	270	0.110	4.2	5.0	0.036	
-334K	330	0.122	4.0	4.5	0.036	
-394K	390	0.169	3.4	4.0	0.032	
-474K	470	0.187	3.2	3.8	0.032	
-564K	560	0.205	3.0	3.5	0.032	
-684K	680	0.256	2.7	3.0	0.029	
-824K	820	0.288	2.5	2.8	0.029	
-105K	1000	0.426	2.1	2.5	0.029	
-125K	1200	0.462	2.0	2.2	0.026	
-155K	1500	0.518	1.9	2.0	0.026	
-185K	1800	0.705	1.6	1.8	0.026	
-225K	2200	1.020	1.4	1.5	0.023	
-275K	2700	1.140	1.3	1.4	0.023	
-335K	3300	1.270	1.2	1.3	0.023	
-395K	3900	1.670	1.1	1.2	0.020	
-475K	4700	1.860	1.0	1.0	0.020	



**Physical Parameters**

	Inches	Millimeters
A	1.080 to 1.180	27.44 to 29.98
B	0.770 Reference (all except -104K)	19.56 Reference
	0.810 Reference (-104K only)	20.75 Reference
C	0.750 Minimum	19.05 Minimum
D	0.840 Maximum	21.34 Maximum
E	0.240 Reference	6.10 Reference
F	0.200 Reference	5.08 Reference
G	See Table	

\*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** 2.20 Watts  
Maximum

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

**Leads** Solder coated 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, 1050 or 1050R, dash number (per table)  
and inductance tolerance letter

API  
1050  
xxxK

**Packaging** Bulk only