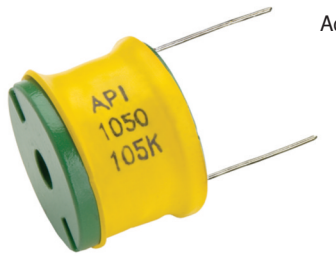
SERIES DC1050R DC1050

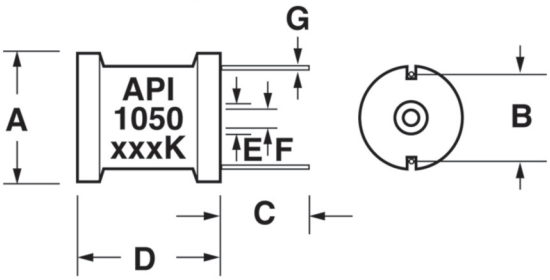
RoHS Compliant

Traditional First Quality

High Current Power Line Chokes



Actual Size (Max.)



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	

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

DASH NUMBER*	INDUCTANCE (µH) ±10% @ 1.00 kHz	MAXIMUM DC RESISTANCE (OHMS) @ 25°C	CURRENT RATING MAXIMUM (A DC)	INCREMENTAL CURRENT (A DC)	LEAD DIAMETER (Inches, Reference)
SERIES DC1050 and DC1050R					
-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

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

For surface finish information, refer to www.delevanfinishes.com

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