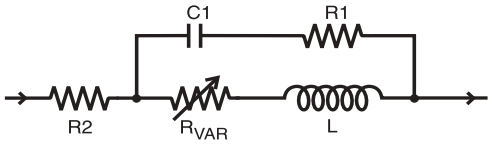
SPICE Model – DO5022HC

This data allows you to create a model that adequately simulates the behavior of Coilcraft power inductors from DC to 100 kHz.

SPICE Equivalent of Circuit

An equivalent SPICE model of our power inductors is illustrated in schematic form below.



- $R_{VAR} = k * \sqrt{f}$ (k can be taken from the accompanying tables, and f is expressed in Hz).
- All required values can be taken from the accompanying table.

Part number	R1	R2	C (nF)	L (µH)	k
DO5022P-781HC	1	0.042	1	0.74	1.00E-05
DO5022P-152HC	5	0.03	6	1.28	1.70E-05
DO5022P-222HC	5	0.104	5	2.1	4.00E-05
DO5022P-332HC	6	0.16	5	2.9	4.00E-05
DO5022P-392HC	6	0.07	7	3.7	7.00E-05
DO5022P-472HC	7	0.05	6	5	1.20E-04
DO5022P-602HC	7	0.06	6	6.2	1.20E-04
DO5022P-782HC	11	0.03	4	7.4	1.20E-04
DO5022P-103HC	7	0.02	7	10.7	2.00E-04
DO5022P-153HC	10	0.032	1	13.9	9.10E-04

1102 Silver Lake Road Cary, Illinois 60013 **Phone** 847/639-6400 **Fax** 847/639-1469
E-mail info@coilcraft.com **Web** http://www.coilcraft.com