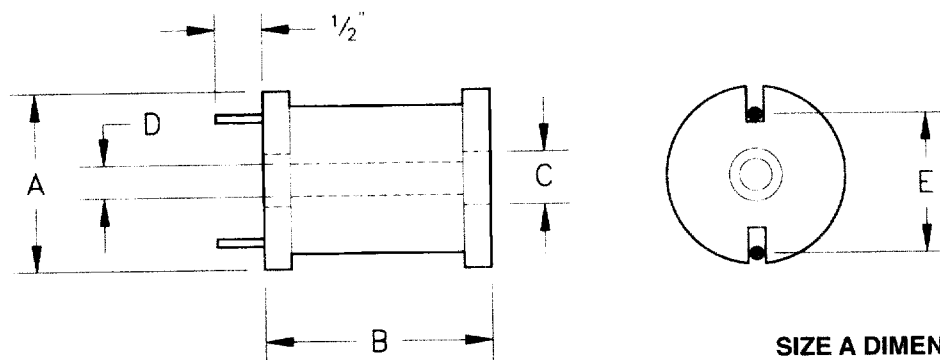


TM 700 SERIES POWER LINE CHOKES DRUM CORE TYPE

INDUCTANCE RANGE – 1UH to 15 MH

CURRENT RANGE – 0.8 AMPS TO 45 AMPS



SIZE A DIMENSIONS

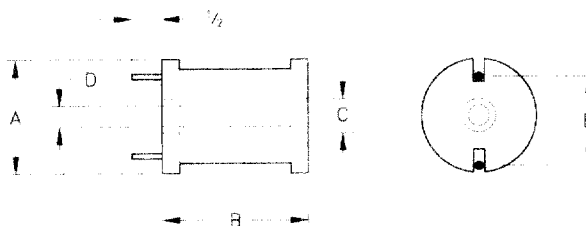
A – .66" Max C – .195"
B – .84" Max D – .120"

The Tecate Magnetics TM700 Series of "Drum Type Power Chokes" are available in more than 300 standard values with a very wide range of inductance and current ratings.

APPLICATIONS

- Switch mode power supplies
- SCR controls
- Crossover networks (Audio)
- Filters
- Power amplifiers
- Switching regulators

Part No.	Inductance at 0 DC (μH)	Max. OCR (Ohms)	Saturation Current (DC Amps)	Rated Current (AC Amps)	Dimension "R" Approx.
TM700-A-100	1.0	.003	87.0	9.0	.550
TM700-A-120	1.2	.003	68.0	9.0	.550
TM700-A-150	1.5	.004	56.0	9.0	.550
TM700-A-180	1.8	.004	56.0	9.0	.550
TM700-A-220	2.2	.005	47.0	9.0	.550
TM700-A-270	2.7	.005	47.0	9.0	.550
TM700-A-330	3.3	.005	40.0	9.0	.550
TM700-A-390	3.9	.006	36.0	9.0	.550
TM700-A-470	4.7	.007	32.0	9.0	.550
TM700-A-560	5.6	.007	29.0	9.0	.550
TM700-A-680	6.8	.008	26.0	9.0	.550
TM700-A-820	8.2	.009	24.5	9.0	.550
TM700-A-101	10.0	.010	21.2	9.0	.550
TM700-A-121	12.0	.011	19.0	9.0	.550
TM700-A-151	15.0	.015	17.5	7.2	.500
TM700-A-181	18.0	.016	16.5	7.2	.500
TM700-A-221	22.0	.025	15.8	5.5	.500
TM700-A-271	27.0	.030	14.4	4.5	.500
TM700-A-331	33.0	.040	13.2	4.0	.406
TM700-A-391	39.0	.046	11.8	4.0	.469
TM700-A-471	47.0	.062	11.0	2.8	.469
TM700-A-561	56.0	.069	10.0	2.8	.485
TM700-A-681	68.0	.077	8.9	2.8	.500
TM700-A-821	82.0	.083	8.2	2.8	.500
TM700-A-102	100.0	.095	7.5	2.8	.500
TM700-A-122	120.0	.127	5.8	2.0	.480
TM700-A-152	150.0	.181	5.6	1.6	.480
TM700-A-182	180.0	.217	5.1	1.6	.480
TM700-A-222	220.0	.240	4.3	1.6	.480
TM700-A-272	270.0	.300	4.1	1.6	.480
TM700-A-332	330.0	.336	3.8	1.3	.480
TM700-A-392	390.0	.460	3.3	1.0	.480
TM700-A-472	470.0	.636	3.2	0.8	.450
TM700-A-562	560.0	.696	2.9	0.8	.450



SIZE B DIMENSIONS

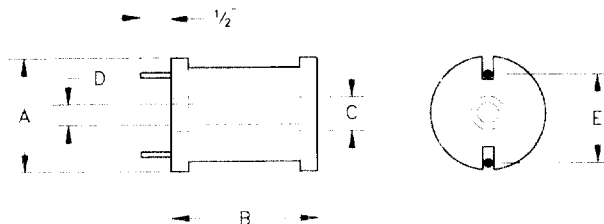
A - .825" Max C - .195"
B - .840" Max D - .120"

Part No.	Inductance at 0 DC (μH)	Max. OCR (Ohms)	Saturation Current (DC Amps)	Rated Current (AC Amps)	Dimension "E" Approx.
TM700-B-100	1.0	.003	108.0	11.4	.620
TM700-B-120	1.2	.003	108.0	11.4	.620
TM700-B-150	1.5	.003	83.0	11.4	.620
TM700-B-180	1.8	.003	68.0	11.4	.620
TM700-B-220	2.2	.004	68.0	11.4	.620
TM700-B-270	2.7	.005	58.0	11.4	.620
TM700-B-330	3.3	.005	58.0	11.4	.620
TM700-B-390	3.9	.005	50.0	11.4	.620
TM700-B-470	4.7	.005	50.0	11.4	.620
TM700-B-560	5.6	.006	44.0	11.4	.620
TM700-B-680	6.8	.007	39.0	11.4	.620
TM700-B-820	8.2	.007	36.0	11.4	.620
TM700-B-101	10.0	.009	30.0	11.4	.620
TM700-B-121	12.0	.009	27.0	11.4	.620
TM700-B-151	15.0	.013	25.0	9.0	.625
TM700-B-181	18.0	.018	22.0	7.2	.630
TM700-B-221	22.0	.019	21.0	7.2	.630
TM700-B-271	27.0	.026	20.5	5.5	.546
TM700-B-331	33.0	.029	18.6	5.5	.546
TM700-B-391	39.0	.030	17.0	5.5	.594
TM700-B-471	47.0	.035	15.1	5.5	.625
TM700-B-561	56.0	.039	13.6	5.5	.625
TM700-B-681	68.0	.053	12.7	4.8	.656
TM700-B-821	82.0	.060	11.3	4.8	.656
TM700-B-102	100.0	.080	10.4	4.0	.593
TM700-B-122	120.0	.090	9.4	4.0	.593
TM700-B-152	150.0	.098	8.6	4.0	.593
TM700-B-182	180.0	.110	7.8	4.0	.671
TM700-B-222	220.0	.150	7.0	2.8	.593
TM700-B-272	270.0	.213	6.3	2.0	.562
TM700-B-332	330.0	.305	5.2	1.6	.590
TM700-B-392	390.0	.320	4.9	1.6	.590
TM700-B-472	470.0	.355	4.5	1.6	.590
TM700-B-562	560.0	.388	4.1	0.6	.590
TM700-B-682	680.0	.430	3.7	1.6	.590
TM700-B-822	820.0	.590	3.4	1.3	.590
TM700-B-103	1000.0	.818	3.1	1.0	.590
TM700-B-123	1200.0	1.14	2.7	0.8	.590
TM700-B-153	1500.0	1.26	2.4	0.8	.590
TM700-B-183	1800.0	1.39	2.2	0.8	.590
TM700-B-223	2200.0	1.54	2.0	0.8	.590

SIZE C DIMENSIONS

A - 1.10" Max C - .195"
B - .840" Max D - .120"

Part No.	Inductance at 0 DC (μH)	Max. OCR (Ohms)	Saturation Current (DC Amps)	Rated Current (AC Amps)	Dimension "E" Approx.
TM700-C-100	1.0	.003	108.0	11.4	.620
TM700-C-120	1.2	.003	108.0	11.4	.620
TM700-C-150	1.5	.003	83.0	11.4	.620
TM700-C-180	1.8	.003	68.0	11.4	.620
TM700-C-220	2.2	.003	68.0	11.4	.620
TM700-C-270	2.7	.003	58.0	11.4	.620
TM700-C-330	3.3	.003	58.0	11.4	.620
TM700-C-390	3.9	.003	50.0	11.4	.620
TM700-C-470	4.7	.003	50.0	11.4	.620
TM700-C-560	5.6	.003	44.0	11.4	.620
TM700-C-680	6.8	.004	39.0	11.4	.620
TM700-C-820	8.2	.004	36.0	11.4	.620
TM700-C-101	10.0	.006	30.0	11.4	.620
TM700-C-121	12.0	.007	27.0	11.4	.620
TM700-C-151	15.0	.009	25.0	9.0	.625
TM700-C-181	18.0	.010	22.0	7.2	.630
TM700-C-221	22.0	.011	21.0	7.2	.630
TM700-C-271	27.0	.012	20.5	5.5	.546
TM700-C-331	33.0	.017	18.6	5.5	.546
TM700-C-391	39.0	.022	17.0	5.5	.594
TM700-C-471	47.0	.024	15.1	5.5	.625
TM700-C-561	56.0	.026	13.6	5.5	.625
TM700-C-681	68.0	.029	12.7	4.8	.656
TM700-C-821	82.0	.032	11.3	4.8	.656
TM700-C-102	100.0	.034	10.4	4.0	.593
TM700-C-122	120.0	.046	9.4	4.0	.593
TM700-C-152	150.0	.064	8.6	4.0	.593
TM700-C-182	180.0	.172	7.8	4.0	.671
TM700-C-222	220.0	.080	7.0	2.8	.593
TM700-C-272	270.0	.110	6.3	2.0	.562
TM700-C-332	330.0	.122	5.2	1.6	.590
TM700-C-392	390.0	.169	4.9	1.6	.590
TM700-C-472	470.0	.187	4.5	1.6	.590
TM700-C-562	560.0	.205	4.1	0.6	.590
TM700-C-682	680.0	.256	3.7	1.6	.590
TM700-C-822	820.0	.288	3.4	1.3	.590
TM700-C-103	1000.0	.426	3.1	1.0	.590
TM700-C-123	1200.0	.462	2.7	0.8	.590
TM700-C-153	1500.0	.518	2.4	0.8	.590
TM700-C-183	1800.0	.705	2.2	0.8	.590
TM700-C-223	2200.0	1.02	2.0	0.8	.590
TM700-C-273	2700.0	1.14	2.3	1.3	.770
TM700-C-333	3300.0	1.27	2.0	1.3	.750
TM700-C-393	3900.0	1.67	1.8	1.0	.750
TM700-C-473	4700.0	1.86	1.7	1.0	.750



SIZE D DIMENSIONS

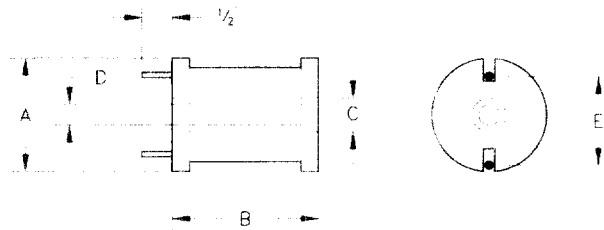
A - 1.60" Max
B - 1.10" Max
C - .290"
D - .170"

SIZE E DIMENSIONS

A - 1.60" Max
B - 1.10" Max
C - .290"
D - .170"

Part No.	Inductance at 0 DC (μH)	Max. OCR (Ohms)	Saturation Current (DC Amps)	Rated Current (AC Amps)	Dimension "E" Approx.
TM700-D-180	1.8	.002	150.0	27.0	1.11
TM700-D-220	2.2	.002	150.0	27.0	1.11
TM700-D-270	2.7	.003	115.0	27.0	1.11
TM700-D-330	3.3	.003	115.0	27.0	1.11
TM700-D-390	3.9	.003	95.0	27.0	1.11
TM700-D-470	4.7	.003	95.0	27.0	1.11
TM700-D-560	5.6	.004	79.0	27.0	1.11
TM700-D-680	6.8	.004	79.0	27.0	1.11
TM700-D-820	8.2	.004	69.0	27.0	1.11
TM700-D-101	10.0	.005	61.0	27.0	1.11
TM700-D-121	12.0	.005	55.0	27.0	1.11
TM700-D-151	15.0	.006	49.0	27.0	1.11
TM700-D-181	18.0	.008	41.0	27.0	1.11
TM700-D-221	22.0	.009	36.0	21.0	1.11
TM700-D-271	27.0	.010	36.0	21.0	1.15
TM700-D-331	33.0	.011	31.0	21.0	1.15
TM700-D-391	39.0	.012	20.0	21.0	1.15
TM700-D-471	47.0	.018	30.2	14.4	1.140
TM700-D-561	56.0	.019	26.1	14.4	1.140
TM700-D-681	68.0	.021	24.4	14.4	1.140
TM700-D-821	82.0	.023	22.4	14.4	1.140
TM700-D-102	100.0	.025	20.0	14.4	1.140
TM700-D-122	120.0	.028	18.0	14.4	1.140
TM700-D-152	150.0	.040	16.4	14.4	1.187
TM700-D-182	180.0	.045	14.6	11.4	1.125
TM700-D-222	220.0	.050	13.2	11.4	1.125
TM700-D-272	270.0	.056	11.7	11.4	1.125
TM700-D-332	330.0	.074	11.4	11.4	1.156
TM700-D-392	390.0	.082	10.1	11.4	1.125
TM700-D-472	470.0	.144	9.2	9.0	1.187
TM700-D-562	560.0	.125	8.3	7.2	1.125
TM700-D-682	680.0	.139	7.6	7.2	1.125
TM700-D-822	820.0	.154	6.8	7.2	1.125
TM700-D-103	1000.0	.216	6.2	7.2	1.25
TM700-D-123	1200.0	.232	5.7	5.5	1.062
TM700-D-153	1500.0	.324	5.1	5.5	1.156
TM700-D-183	1800.0	.360	4.6	4.5	1.156
TM700-D-223	2200.0	.494	4.2	4.0	1.062
TM700-D-273	2700.0	.555	3.8	4.0	1.062
TM700-D-333	3300.0	.773	3.4	2.8	1.062
TM700-D-393	3900.0	.845	3.1	2.8	1.125
TM700-D-473	4700.0	1.14	2.9	2.0	1.11
TM700-D-563	5600.0	1.60	2.5	2.0	1.11
TM700-D-683	6800.0	1.76	2.3	1.6	1.11
TM700-D-823	8200.0	1.95	2.0	1.6	1.16
TM700-D-104	10000.0	2.76	1.8	1.3	1.16
TM700-D-124	12000.0	3.04	1.7	1.3	1.16
TM700-D-154	15000.0	3.39	1.5	1.3	1.16

Part No.	Inductance at 0 DC (μH)	Max. OCR (Ohms)	Saturation Current (DC Amps)	Rated Current (AC Amps)	Dimension "E" Approx.
TM700-E-180	1.8	.002	154.0	35.0	1.11
TM700-E-220	2.2	.002	154.0	35.0	1.11
TM700-E-270	2.7	.002	125.0	35.0	1.11
TM700-E-330	3.3	.002	125.0	35.0	1.11
TM700-E-390	3.9	.003	102.0	35.0	1.11
TM700-E-470	4.7	.003	87.0	35.0	1.11
TM700-E-560	5.6	.003	87.0	35.0	1.11
TM700-E-680	6.8	.003	87.0	35.0	1.11
TM700-E-820	8.2	.003	76.0	35.0	1.11
TM700-E-101	10.0	.004	67.0	35.0	1.11
TM700-E-121	12.0	.004	60.0	35.0	1.16
TM700-E-151	15.0	.005	49.0	35.0	1.16
TM700-E-181	18.0	.007	45.0	27.0	1.16
TM700-E-221	22.0	.007	42.0	27.0	1.16
TM700-E-271	27.0	.008	35.0	27.0	1.16
TM700-E-331	33.0	.009	34.0	27.0	1.16
TM700-E-391	39.0	.010	30.0	27.0	1.16
TM700-E-471	47.0	.011	28.0	27.0	1.16
TM700-E-561	56.0	.013	26.0	21.0	1.16
TM700-E-681	68.0	.015	23.0	21.0	1.25
TM700-E-821	82.0	.017	20.0	21.0	1.28
TM700-E-102	100.0	.018	19.0	21.0	1.25
TM700-E-122	120.0	.022	18.0	17.0	1.16
TM700-E-152	150.0	.025	16.0	17.0	1.16
TM700-E-182	180.0	.035	14.0	13.5	1.10
TM700-E-222	220.0	.040	13.0	13.5	1.10
TM700-E-272	270.0	.044	11.0	13.5	1.10
TM700-E-332	330.0	.049	10.0	13.5	1.11
TM700-E-392	390.0	.070	9.7	11.4	1.15
TM700-E-472	470.0	.078	8.8	11.4	1.07
TM700-E-562	560.0	.105	8.1	9.0	1.07
TM700-E-682	680.0	.115	7.4	9.0	1.07
TM700-E-822	820.0	.127	6.7	9.0	1.12
TM700-E-103	1000.0	.176	6.1	7.2	1.12
TM700-E-123	1200.0	.195	5.5	7.2	1.12
TM700-E-153	1500.0	.274	5.0	5.5	1.12
TM700-E-183	1800.0	.302	4.5	5.5	1.13
TM700-E-223	2200.0	.338	4.1	5.5	1.16
TM700-E-273	2700.0	.459	3.7	4.5	1.02
TM700-E-333	3300.0	.642	3.4	4.0	1.02
TM700-E-393	3900.0	.699	3.0	4.0	1.14
TM700-E-473	4700.0	.775	2.8	4.0	1.14
TM700-E-563	5600.0	.843	2.6	4.0	1.14
TM700-E-683	6800.0	1.15	2.3	2.8	1.06
TM700-E-823	8200.0	1.26	2.1	2.8	1.16
TM700-E-104	10000.0	1.74	1.9	2.0	1.13
TM700-E-124	12000.0	1.92	1.7	2.0	1.13
TM700-E-154	15000.0	2.17	1.5	2.0	1.13



SIZE F DIMENSIONS

A - 2.00" Max C - .290"
B - 1.50" Max D - .170"

SIZE G DIMENSIONS

A - 2.40" Max C - .375"
B - 1.50" Max D - .170"

Part No.	Inductance at 0 DC (μH)	Max. OCR (Ohms)	Saturation Current (DC Amps)	Rated Current (AC Amps)	Dimension "E" Approx.
TM700-F-470	4.7	.002	149.9	35.0	1.4
TM700-F-560	5.6	.002	122.7	35.0	1.4
TM700-F-680	6.8	.003	103.8	35.0	1.4
TM700-F-820	8.2	.003	90.0	35.0	1.4
TM700-F-101	10.0	.003	79.4	35.0	1.48
TM700-F-121	12.0	.004	71.0	35.0	1.48
TM700-F-151	15.0	.004	64.3	35.0	1.48
TM700-F-181	18.0	.005	58.7	35.0	1.48
TM700-F-221	22.0	.005	54.0	35.0	1.48
TM700-F-271	27.0	.006	50.8	35.0	1.48
TM700-F-331	33.0	.006	46.5	35.0	1.48
TM700-F-391	39.0	.006	43.5	35.0	1.48
TM700-F-471	47.0	.008	40.9	35.0	1.48
TM700-F-561	56.0	.009	36.5	35.0	1.48
TM700-F-681	68.0	.009	32.9	35.0	1.48
TM700-F-821	82.0	.010	30.3	35.0	1.48
TM700-F-102	100.0	.014	26.5	27.0	1.53
TM700-F-122	120.0	.015	24.5	27.0	1.53
TM700-F-152	150.0	.023	21.4	21.0	1.49
TM700-F-182	180.0	.025	19.5	21.0	1.49
TM700-F-222	220.0	.028	18.0	21.0	1.49
TM700-F-272	270.0	.030	16.2	21.0	1.49
TM700-F-332	330.0	.040	14.8	17.0	1.31
TM700-F-392	390.0	.055	13.6	13.5	1.31
TM700-F-472	470.0	.061	12.3	13.5	1.31
TM700-F-562	560.0	.068	11.3	13.5	1.40
TM700-F-682	680.0	.094	10.3	11.4	1.42
TM700-F-822	820.0	.104	9.4	11.4	1.42
TM700-F-103	1000.0	.143	8.5	9.0	1.36
TM700-F-123	1200.0	.156	7.7	9.0	1.36
TM700-F-153	1500.0	.219	6.8	7.2	1.31
TM700-F-183	1800.0	.241	6.3	7.2	1.31
TM700-F-223	2200.0	.270	5.7	7.2	1.40
TM700-F-273	2700.0	.364	5.1	5.5	1.36
TM700-F-333	3300.0	.498	4.6	4.5	1.24
TM700-F-393	3900.0	.548	4.2	4.5	1.32
TM700-F-473	4700.0	.608	3.9	4.5	1.32
TM700-F-563	5600.0	.671	3.5	4.5	1.36
TM700-F-683	6800.0	.750	3.2	4.5	1.40
TM700-F-823	8200.0	1.03	2.9	4.0	1.45
TM700-F-104	10000.0	1.16	2.6	4.0	1.45
TM700-F-124	12000.0	1.54	2.4	2.8	1.40
TM700-F-154	15000.0	1.75	2.2	2.8	1.40
TM700-F-184	18000.0	1.94	2.0	2.8	1.45
TM700-F-224	22000.0	2.74	1.8	2.0	1.37
TM700-F-274	27000.0	3.71	1.6	1.7	1.37
TM700-F-334	33000.0	4.16	1.5	1.7	1.37
TM700-F-394	39000.0	5.555	1.4	1.4	1.35
TM700-F-474	47000.0	6.19	1.2	1.4	1.35

Part No.	Inductance at 0 DC (μH)	Max. OCR (Ohms)	Saturation Current (DC Amps)	Rated Current (AC Amps)	Dimension "E" Approx.
TM700-G-560	5.6	.0018	200.0	45	1.60
TM700-G-680	6.8	.0021	163.0	45	1.60
TM700-G-820	8.2	.0022	163.0	45	1.60
TM700-G-101	10.0	.0024	138.0	45	1.60
TM700-G-121	12.0	.0025	120.0	45	1.60
TM700-G-151	15.0	.0028	105.0	45	1.70
TM700-G-181	18.0	.0056	94.0	45	1.70
TM700-G-221	22.0	.0036	85.0	45	1.70
TM700-G-271	27.0	.0042	78.0	45	1.70
TM700-G-331	33.0	.0045	72.0	45	1.70
TM700-G-391	39.0	.0048	66.0	45	1.80
TM700-G-471	47.0	.0057	58.0	45	1.80
TM700-G-561	56.0	.0069	54.0	45	1.80
TM700-G-681	68.0	.0078	48.0	45	1.80
TM700-G-821	82.0	.0093	43.0	45	1.80
TM700-G-102	100.0	.0103	40.0	45	1.80
TM700-G-122	120.0	.0108	36.0	45	1.80
TM700-G-152	150.0	.0120	32.0	45	1.80
TM700-G-182	180.0	.0156	31.0	35	1.80
TM700-G-222	220.0	.0168	28.0	35	1.80
TM700-G-272	270.0	.0228	24.0	27	1.80
TM700-G-332	330.0	.0300	23.0	21	1.80
TM700-G-392	390.0	.0432	21.0	17	1.70
TM700-G-472	470.0	.0456	19.7	17	1.70
TM700-G-562	560.0	.0480	17.4	17	1.75
TM700-G-682	680.0	.0516	15.9	17	1.80
TM700-G-822	820.0	.0648	14.0	17	1.80
TM700-G-103	1000.0	.0936	12.7	13.5	1.75
TM700-G-123	1200.0	.1020	11.9	13.5	1.78
TM700-G-153	1500.0	.1176	10.9	13.5	1.80
TM700-G-183	1800.0	.1536	10.1	11.4	1.70
TM700-G-223	2200.0	.2160	8.9	9.0	1.70
TM700-G-273	2700.0	.2424	8.0	9.0	1.75
TM700-G-333	3300.0	.2640	7.1	9.0	1.80
TM700-G-393	3900.0	.3480	6.8	7.2	1.75
TM700-G-473	4700.0	.3924	6.1	7.2	1.78
TM700-G-563	5600.0	.4320	5.6	7.2	1.80
TM700-G-683	6800.0	.5940	5.0	5.5	1.70
TM700-G-823	8200.0	.6600	4.6	5.5	1.75
TM700-G-104	10000.0	.7550	4.0	5.5	1.80
TM700-G-124	12000.0	.9840	3.7	4.5	1.80
TM700-G-154	15000.0	1.416	3.0	4.0	1.75
TM700-G-184	18000.0	1.524	2.8	4.0	1.78
TM700-G-224	22000.0	1.800	2.7	4.0	1.80
TM700-G-274	27000.0	2.376	2.5	2.8	1.75
TM700-G-334	33000.0	2.640	2.2	2.8	1.80
TM700-G-394	39000.0	3.576	2.1	2.0	1.75
TM700-G-474	47000.0	3.936	1.9	2.0	1.78
TM700-G-564	56000.0	4.320	1.7	2.0	1.80
TM700-G-684	68000.0	5.200	1.5	2.0	1.85

Inductors

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