

# SCHAFFNER Chokes and Low Pass Filters



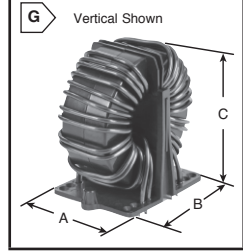
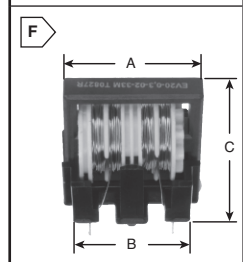
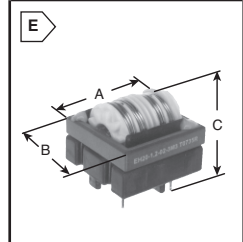
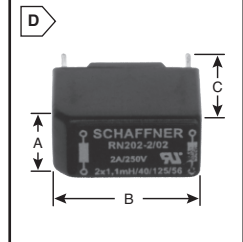
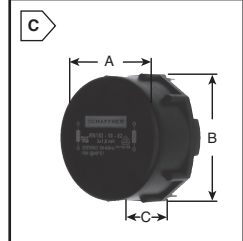
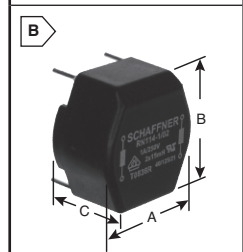
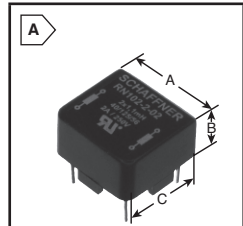
## SCHAFFNER CURRENT-COMPENSATED CHOKES

This product is RoHS compliant.

- Maximum operating voltage: 250V at 40°C
- 0.3 to 10A Ratings
- 0.7 to 100mH inductances (dual choke configurations)
- 100kHz-3MHz common-mode resonance frequencies
- Operating temperature: -40°C to +125°C
- More Inductors available, Contact a Mouser Representative for assistance



MOUSER STOCK NO.		Fig.	Choke Type	Nominal Current @ 40°C (A)	Inductance L (mH path)	Resistance R (mΩ/path)	Dimensions: mm			Price Each			
Mfr.	Mfr. Part No.						A	B	C	1	25	50	100
631	—RN102-0.3-02	A	Horizontal	0.3A	12.0	1275	14.0	14.0	9.0	2.07	1.66	1.50	1.34
631	—RN102-1.02	A	Horizontal	1.0A	3.0	205	14.0	14.0	9.0	2.29	1.80	1.63	1.49
631	—RN102-2.02	A	Horizontal	2.0A	1.1	70	14.0	14.0	9.0	2.07	1.66	1.50	1.34
631	—RN112-0.4-02	B	Horizontal	0.4A	39.0	1460	17.1	17.7	12.6	2.07	1.66	1.50	1.34
631	—RN112-0.5-02	B	Horizontal	0.5A	27.0	1250	17.1	17.7	12.6	2.29	1.80	1.70	1.60
631	—RN112-0.6-02	B	Horizontal	0.6A	15.0	465	17.1	17.7	12.6	2.29	1.80	1.70	1.60
631	—RN112-0.8-02	B	Horizontal	0.8A	10.0	370	17.1	17.7	12.6	2.07	1.66	1.50	1.34
631	—RN112-1.2-02	B	Horizontal	1.2A	6.8	245	17.1	17.7	12.6	2.35	1.85	1.75	1.64
631	—RN112-1.5/02	B	Horizontal	1.5A	3.3	135	17.1	17.7	12.6	2.07	1.66	1.50	1.34
631	—RN112-2.02	B	Horizontal	2.0A	1.8	75	17.1	17.7	12.6	2.07	1.66	1.50	1.34
631	—RN112-4/02	B	Horizontal	4.0A	0.7	27	17.1	17.7	12.6	2.07	1.66	1.50	1.34
631	—RN114-0.3-02	B	Horizontal	0.3A	47.0	1750	21.5	22.5	13.2	2.78	2.25	2.10	2.00
631	—RN114-0.8-02	B	Horizontal	0.8A	27.0	500	21.5	22.5	13.2	2.69	2.12	1.99	1.88
631	—RN114-1.02	B	Horizontal	1.0A	15.0	375	21.5	22.5	13.2	2.69	2.12	1.99	1.88
631	—RN114-1.2-02	B	Horizontal	1.2A	10.0	200	21.5	22.5	13.2	2.25	1.80	1.70	1.61
631	—RN114-4/02	B	Horizontal	4.0A	1.5	35	21.5	22.5	13.2	2.74	2.16	2.03	1.91
631	—RN122-4/02	B	Horizontal	4.0A	3.3	45	27.0	28.0	16.5	2.74	2.16	2.03	1.91
631	—RN152-1-02	C	Horizontal	1.0A	68.0	1300	41.8	43.0	25.0	5.62	4.54	4.29	4.07
631	—RN152-10-02	C	Horizontal	10.0A	1.8	14	41.8	43.0	25.0	5.62	4.72	4.37	4.14
631	—RN202-0.3-02	D	Vertical	0.3A	12.0	1275	8.8	8.8	18.2	2.29	1.80	1.70	1.60
631	—RN202-0.6-02	D	Vertical	0.6A	4.4	385	8.8	8.8	18.2	2.29	1.80	1.70	1.60
631	—RN202-1-02	D	Vertical	1.0A	3.0	205	8.8	8.8	18.2	2.29	1.80	1.70	1.60
631	—RN202-2-02	D	Vertical	2.0A	1.1	70	8.8	8.8	18.2	2.35	1.85	1.75	1.64
631	—RN212-1-2-02	D	Vertical	1.2A	6.8	245	12.5	18.0	20.0	2.07	1.66	1.50	1.34
631	—RN212-4-02	D	Vertical	4.0A	0.7	27	12.5	18.0	20.0	2.29	1.80	1.70	1.60
631	—RN214-0.3-02	D	Vertical	0.3A	47.0	1750	15.5	23.0	25.0	2.62	2.06	1.94	1.83
631	—RN214-1.5-02	D	Vertical	1.5A	6.8	130	15.5	23.0	25.0	2.69	2.12	1.99	1.88
631	—RN214-2.5-02	D	Vertical	2.5A	3.3	72	15.5	23.0	25.0	2.69	2.12	1.99	1.88
631	—RN222-3-02	D	Vertical	3.0A	4.5	80	18.0	31.0	29.3	2.72	2.18	2.06	1.95
631	—RN222-4-02	D	Vertical	4.0A	3.3	45	18.0	31.0	29.3	2.73	2.15	2.02	1.91
631	—RN242-6-02	D	Vertical	6.0A	1.8	20	18.0	31.0	34.3	2.77	2.70	2.54	2.38



## SCHAFFNER COMMON-MODE SUPPRESSION CHOKES

- Rated currents up to 5A
- Broadband attenuation characteristics
- Low magnetic leakage flux
- UL rated materials

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Choke Type	Rated Current (50°C) A	L Nominal mH	DC Resistance R (mΩ/path)	Dimensions: mm			Price Each			
Mfr.	Mfr. Part No.						A	B	C	1	25	50	100
631	—EH20-1.2-02-3M3	E	Horizontal	1.2A	3.3	127	21.0	21.0	17.8	1.38	1.14	1.02	.93
631	—EH20-2.0-02-0M8	E	Horizontal	2.0A	0.82	38	21.0	21.0	17.8	1.42	1.17	1.05	.958
631	—EH24-2.0-02-2M5	E	Horizontal	2.0A	2.5	62	24.0	24.0	20.0	1.92	1.52	1.42	1.30
631	—EH24-3.0-02-1M2	E	Horizontal	3.0A	1.2	29	24.0	24.0	20.0	1.92	1.58	1.42	1.30
631	—EH24-4.0-02-0M5	E	Horizontal	4.0A	0.5	16	24.0	24.0	20.0	1.97	1.62	1.46	1.33
631	—EH35-1.0-02-90M	E	Horizontal	1.0A	90.0	628	36.0	36.0	27.7	4.83	3.99	3.79	3.61
631	—EH35-2.0-02-20M	E	Horizontal	2.0A	20.0	150	36.0	36.0	27.7	4.97	4.11	3.90	3.72
631	—EH35-3.0-02-10M	E	Horizontal	3.0A	10.0	72	36.0	36.0	27.7	4.83	3.99	3.79	3.61
631	—EV20-0.3-02-33M	F	Vertical	0.3A	33.0	1780	21.0	16.0	25.0	1.42	1.17	1.05	.958
631	—EV20-0.8-02-5M6	F	Vertical	0.8A	5.6	245	21.0	16.0	25.0	1.42	1.17	1.05	.958
631	—EV20-1.0-02-3M9	F	Vertical	1.0A	3.9	168	21.0	16.0	25.0	1.42	1.17	1.05	.958
631	—EV20-1.2-02-3M3	F	Vertical	1.2A	3.3	127	21.0	16.0	25.0	1.42	1.17	1.05	.958
631	—EV20-2.0-02-0M8	F	Vertical	2.0A	0.82	38	21.0	16.0	25.0	1.42	1.17	1.05	.958
631	—EV24-1.0-02-10M	F	Vertical	1.0A	10.0	244	24.6	17.4	29.1	1.97	1.62	1.46	1.33
631	—EV24-1.5-02-4M5	F	Vertical	1.5A	4.5	116	24.6	17.4	29.1	1.92	1.58	1.42	1.30
631	—EV24-3.0-02-1M2	F	Vertical	3.0A	1.2	29	24.6	17.4	29.1	1.97	1.62	1.46	1.33
631	—EV28-1.5-02-20M	F	Vertical	1.5A	20.0	282	29.2	21.0	34.7	2.91	2.32	2.20	2.08
631	—EV28-2.00211M	F	Vertical	2.0A	11.0	169	29.2	21.0	34.7	2.47	1.94	1.83	1.72
631	—EV28-3.0-02-5M0	F	Vertical	3.0A	5.0	79	29.2	21.0	34.7	2.47	1.94	1.83	1.72
631	—EV28-4.0-02-2M3	F	Vertical	4.0A	2.3	40	29.2	21.0	34.7	2.47	1.94	1.83	1.72
631	—EV35-2.0-02-20M	F	Vertical	2.0A	20.0	150	36.0	24.5	42.7	4.46	3.56	3.36	3.18
631	—EV35-3.0-02-10M	F	Vertical	3.0A	10.0	72	36.0	24.5	42.7	4.33	3.46	3.27	3.09
631	—EV35-5.0-02-3M6	F	Vertical	5.0A	3.6	33	36.0	24.5	42.7	4.46	3.56	3.36	3.18

## SCHAFFNER RB SERIES EMC/EMI CHOKES

- current-compensated chokes for the circuit board up to 80A
- † high inductance



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Choke Type	Nominal @ 60° C (A)	Forced Cooling @ 60° C (A)	Inductance L (mH path)	Resistance R (mΩ / path)	Dimensions: mm			Price Each			
Mfr.	Mfr. Part No.							A	B	C	1	25	50	100
631	—RB6122-16-1M0	G	Horizontal	16.0A	25.0A	1.00	4.8	53.3	51.34	41.5	10.02	9.42	8.98	8.22
631	—RB6122-25-0M6	G	Horizontal	25.0A	39.0A	0.64	2.7	53.3	51.34	41.5	13.15	12.36	11.79	10.78
631	—RB6122-36-0M5	G	Horizontal	36.0A	53.0A	0.45	1.5	61.0	57.8	38.0	16.78	15.77	15.03	13.75
631	—RB6122-50-0M3	G	Horizontal	50.0A	80.0A	0.25	0.9	61.0	57.8	38.0	18.46	17.35	16.54	15.13
631	—RB6522-16-1M0	G	Vertical	16.0A	25.0A	1.00	4.6	45.0	46.93	52.0	11.10	10.44	9.95	9.10
631	—RB6522-25-0M6	G	Vertical	25.0A	39.0A	0.64	2.6	45.0	46.93	52.0	13.85	13.02	12.41	11.35
631	—RB6522-36-0M5	G	Vertical	36.0A	53.0A	0.45	1.5	50.0	43.4	58.0	17.36	16.32	15.56	14.23
631	—RB6522-50-0M3	G	Vertical	50.0A	80.0A	0.25	0.9	50.0	43.4	58.0	19.47	18.30	17.44	15.96
631	—RB8522-16-3M0	G	Vertical	16.0A	25.0A	3.00	8.4	50.0	43.4	58.0	13.34	12.53	11.95	10.93
631	—RB8522-25-2M0	G	Vertical	25.0A	39.0A	2.00	4.2	54.0	45.9	68.0	22.43	21.08	20.10	18.39
631	—RB8522-36-1M5	G	Vertical	36.0A	58.0A	1.50	3.0	45.24	50.5	80.0	26.15	24.57	23.43	21.43
631	—RB8522-50-0M8	G	Vertical	50.0A	83.0A	0.75	1.7	43.4	50.0	58.0	28.05	26.36	25.14	22.99
631	—RB6132-16-0M8	G	Horizontal	16.0A	26.5A	0.80	4.6	58.8	57.8	48.0	13.02	12.24	11.67	10.68
631	—RB6132-25-0M5	G	Horizontal	25.0A	41.0A	0.47	2.4	58.8	57.8	48.0	17.20	16.16	15.41	14.10
631	—RB6132-36-0M4	G	Horizontal	36.0A	60.0A	0.42	1.4	67.9	43.73	52.0	24.24	22.79	21.73	19.87
631	—RB6132-50-0M2	G	Horizontal	50.0A	81.0A	0.18	0.9	67.9	43.73	52.0	26.49	24.90	23.74	21.72
631	—RB6532-16-0M8	G	Vertical	16.0A	26.5A	0.80	4.7	58.0	55.0	58.0	13.65	12.83	12.23	11.19
631	—RB6532-25-0M5	G	Vertical	25.0A	41.0A	0.47	2.4	58.0	55.0	58.0	17.58	16.52	15.76	14.41
631	—RB6532-36-0M4	G	Vertical	36.0A	60.0A	0.42	1.5	62.0	58.0	70.0	24.50	23.03	21.95	20.08
631	—RB6532-50-0M2	G	Vertical	50.0A	81.0A	0.18	0.8	62.0	58.0	70.0	26.79	25.18	24.00	21.96
631	—RB8532-16-1M3	G	Vertical	16.0A	27.0A	1.30	5.7	58.0	55.0	58.0	14.16	13.31	12.69	11.61
631	—RB8532-25-0M9	G	Vertical	25.0A	41.0A	0.94	3.0	62.0	58.0	70.0	23.16	21.77	20.76	18.99
631	—RB8532-36-0M8	G	Vertical	36.0A	58.0A	0.83	2.3	76.0	63.0	82.0	28.23	26.53	25.30	23.14
631</														