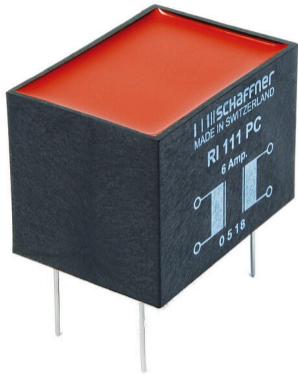
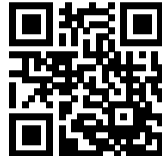


Saturating Chokes

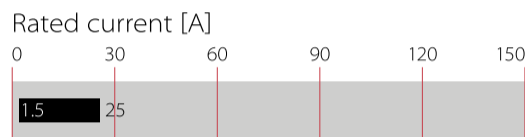


Discontinued

- Rated currents from 1.5 to 25 A
- Up to 500 VAC operating voltage
- DC to 1 kHz frequency
- Single or dual-choke configurations



Performance indicators



Technical Specifications

Rated currents	1.5 to 25 A @ 40°C
High potential test voltage and/or winding-to-inserts	2500 V, 50 Hz, 2 sec, factory test
Operating voltage	500 VAC
Surge current @ 10 msec	20 x I _N @ 25°C
Temperature range (operation and storage)	-25°C to +110°C (25/110/21)
Flammability corresponding to MTBF (Mil-HB-217F)	UL 94 V-0 >5,000,000 h @ 40°C/500 V

Approvals & Compliances

ROHS

Discontinued



Features and Benefits

- Excellent thermal behavior
- Through hole or wire connections
- Single or dual-choke configurations
- Up to 25 A single configuration
- Custom-specific versions are available on request

Typical Applications

- Suppressing high interference levels generated by fast switching circuits
- DC voltage smoothing
- EMC/RFI filters
- Phase angle control circuits
- Power supplies
- Chargers

Choke Selection Table

Choke	Nominal current @ 40°C [A]	Resistance R [mΩ/path]	Choke configuration [Qty]	Input/Output connections		Weight [g]
						
RI 111 PC	6	42	2	02		170
RI 401 PC	1.5	620	1	02		15
RI 403 PC	3	105	1	02		30
RI 406 PC	6	53	1	02		55
RI 410 PC	10	28	1	02		95
RI 415	15	8	1		07	205
RI 425	25	4	1		07	325

Test conditions:

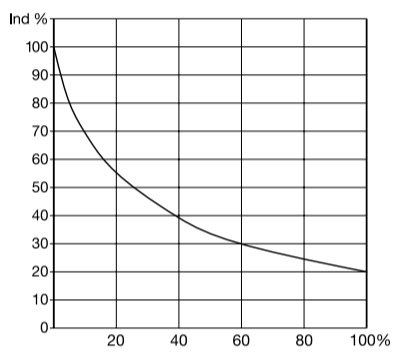
Resistance tolerance: ±15% @ 25°C

Electrical characteristics @ 25°C: ±2°C

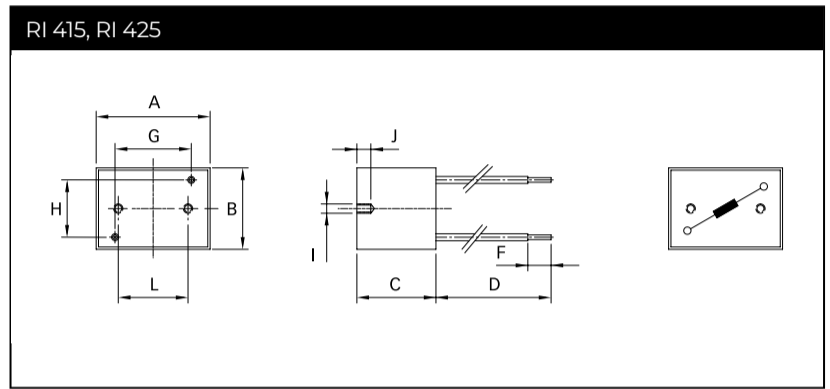
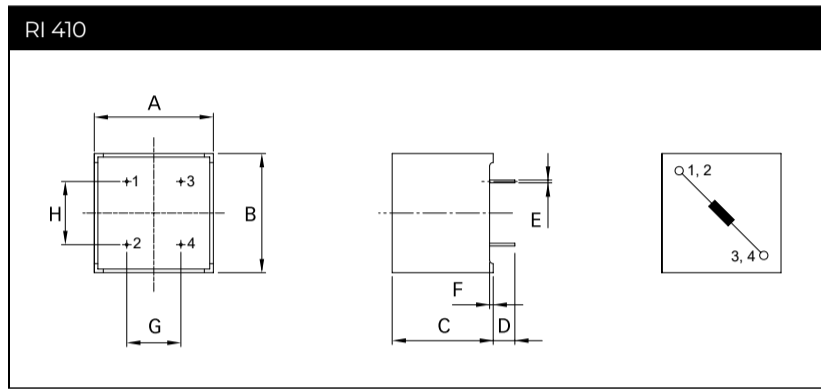
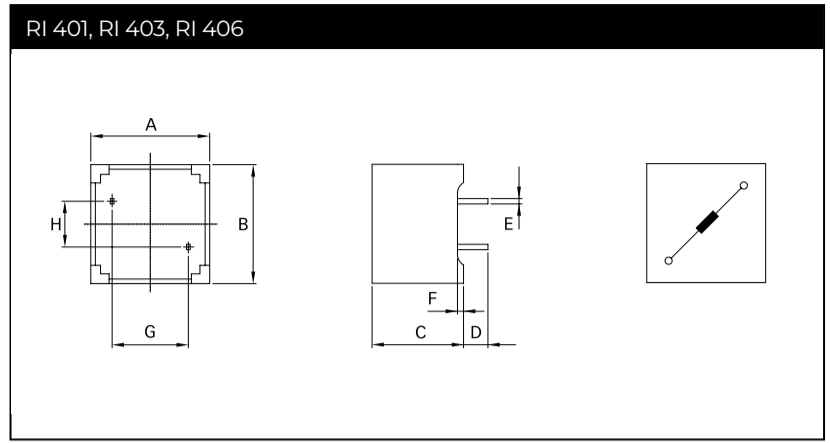
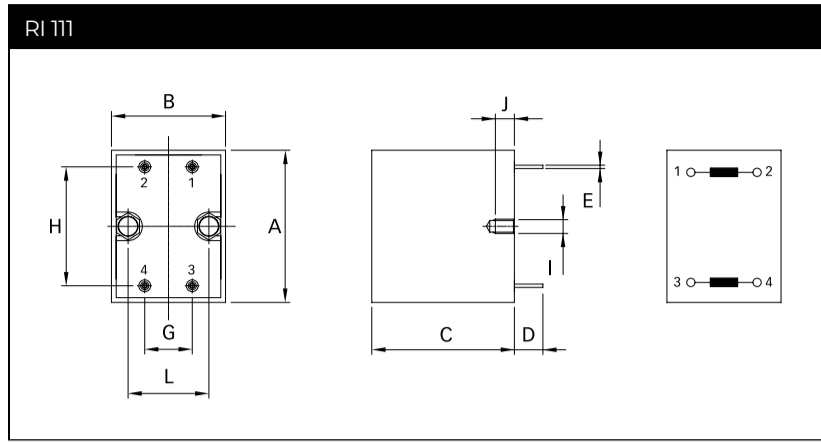
Typical Saturation Characteristics

Inductance (typical value in %) vs. nominal current in %

RI series



Mechanical Data



Dimensions

	RI 111	RI 401	RI 403	RI 406	RI 410	RI 415	RI 425	Tolerances
A	49	19.5	23.3	28.5	33	35	48	
B	35	19.5	23.3	28.5	33	49	48	
C	34	15	18	21.5	28	34	43	±0.3
D	15	4 ±0.5	6 ±0.5	4.5 ±0.5	6 ±0.5	200	200	
E	∅1.15	0.6 x 0.88	∅0.9	0.6 x 0.88	0.75 x 1.1			±0.1
F		1			1	10 ±2	10 ±2	
G	20	12.5	15	20	17.5	22	39	
H	40	7.5	10	10	15	36	35	
I	M4					M4	M4	
J	6					6	6	+0/-0.5
L	21					30	30	±0.25

All dimensions in mm; 1 inch = 25.4 mm

Tolerances according to: ISO 2768-m/EN 22768-m

Please visit www.schaffner.com to find more details on filter connections.

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