

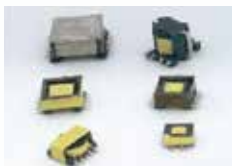
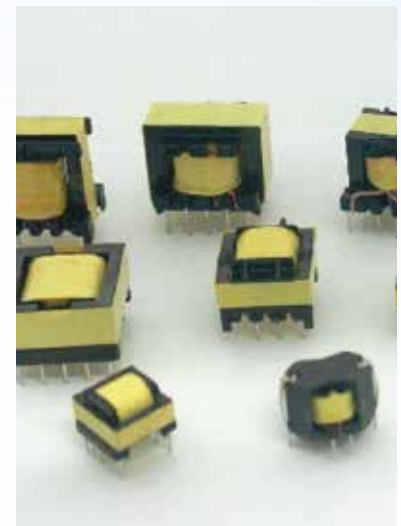
Transformers & Coils

Schlegel Electronic Materials, as member of EMEI Group, is an engineer, designer, and manufacturer of a wide range of transformers and coils for the electronics industry. Our custom engineered inductors are specialized in power conversions and telecommunications. SEM will continue to deliver excellent customer service as we stand ready to expand our product coverage to meet the demands of the electronics market.

To discuss how SEM will serve your custom manufacturing needs, please contact SEM salesmen or SEM representatives.

SWITCHING TRANSFORMERS

Type	Model	Output Power	Working Frequency	Operating Temperature
EE	EE5.0, EE8.3, EE10, EE13, EE16 EE19, EE20, EE22, EE25, EE28 EE30, EE35, EE42, EE50	1W- 500W	10-500KHz	-40°C to +85°C
EF	EF12.6, EF16, EF20, EF25	1W- 30W	10-500KHz	-40°C to +85°C
EFD	EFD12.7, EFD15, EFD20, EFD25 EFD30	1W- 50W	10-500KHz	-40°C to +85°C
EI	EI16, EI19, EI20, EI22, EI25, EI28 EI30, EI33, EI40	1W- 300W	10-500KHz	-40°C to +85°C
EPC	EPC13, EPC19, EPC25	1W- 30W	10-500KHz	-40°C to +85°C
EP	EP5, EP7, EP10, EP13, EP17	0.1W- 10W	10-500KHz	-40°C to +85°C
ER	ER9.5, ER11.5, ER14.5, ER25, ER28 ER30, ER33, ER35, ER39, ER42, ER45	0.1W- 300W	10-500KHz	-40°C to +85°C
PQ	PQ20, PQ26, PQ32, PQ40, PQ50	10W- 500W	10-500KHz	-40°C to +85°C
RM	RM4, RM5, RM6, RM8, RM10, RM12, RM14	1W- 100W	10-500KHz	-40°C to +85°C
POT	POT9, POT11, POT14, POT18	1W- 30W	10-500KHz	-40°C to +85°C
ETD	ETD29, ETD30, ETD34, ETD39 ETD44, ETD49, ETD54	10W- 500W	10-500KHz	-40°C to +85°C



SMD SWITCHING TRANSFORMER

Type	Model	Output Power	Working Frequency	Operating Temperature
SMD	EE, EF, ER, EP, EPC, POT, RM	0.1W- 30W	10-500KHz	-40°C to +85°C



CURRENT SENSE TRANSFORMER

Rated Current	Number of Turns	Working Frequency	Accuracy(%)	Operating Temperature
<100A	1:100, 1:1000, 1:10000	50/60Hz	0.1, 0.2, 0.5	-40°C to +85°C



CHOKE COILS

Filter Type	Rated Current	Working Frequency	Operating Temperature
Low Frequency	<100A	50Hz - 1KHz	-40°C to +135°C
High Frequency	<10A	100Hz - 1MHz	-40°C to +85°C
Radio Frequency	<10A	1KHz - 100MHz	-40°C to +85°C

Transformers & Coils

SMD Choke and EMI Filter

SM Series	Dimensions	Characteristics	
	3.7*3.2*1.3	2.2-68uH	0.7-0.16A
	3.7*3.2*1.8	2.2-100uH	1.5-0.1A
	3.7*3.2*2.4	1.0-390uH	2.6-0.115A
	4.7*4.2*3.5	1.0-470uH	3.5-0.1A
	6.0*5.4*2.3	3.3-560uH	1.9-0.13A
	6.0*5.4*4.8	1.0-470uH	6.0-0.30A
	8.0*7.2*3.8	1.5-330uH	7.0-0.28A
	8.0*7.2*5.3	1.0-470uH	7.5-0.34A
	10.2*9.2*4.3	10.0-560uH	2.38-0.32A
10.2*9.2*5.7	2.2-820uH	8.0-0.24A	
DR Series	Dimensions	Characteristics	
	6.0*6.2*3.1	1.2-47uH	4.0-0.75A
	7.6*7.0*2.65	1.2-12uH	3.0-0.75A
	10.3*10.3*5.0	1.2-68uH	7.0-0.65A
	10.3*10.3*6.0	1.0-68uH	8.0-0.75A
	10.3*10.3*8.0	1.2-120uH	10.0-0.75A
Common Mode Choke	Dimensions	Characteristics	
	3.4*1.8*2.1	90-2200 Ohm	0.37-0.2A
	2.25*1.45*1.4	30-900 Ohm	0.45-0.08A
	1.7*0.9*1.2	67-220 Ohm	0.3-0.2A
	1.45*1.2*1.1	60-160 Ohm	0.3-0.16A
SQ Series	Dimensions	Characteristics	
	3.2*3.2*1.4	4.7-22uH	0.75-0.26A
	4.2*4.2*1.4	4.7-22uH	0.85-0.31A
	5.2*5.2*1.4	4.7-33uH	1.0-0.36A
	5.2*5.2*2.2	3.3-100uH	1.7-0.31A
	6.2*6.2*1.4	4.7-47uH	1.5-0.21A
	6.2*6.2*2.5	3.3-100uH	3.2-0.62A

Schlegel Electronic Materials' inductor products include switching power transformers, pulse transformers, telecom transformers, SMD transformers, circuit board inductors, coils, filters, delay lines, etc. The inductors meet customers' requested safety and quality standards. SEM engineers and production experts are professional specialists, who provide service of new sourcing design adjustments, QA requirements, UL-standards, and tailor made magnetic product solutions.

The data provided is for reference only. Electrical characteristics vary depending on environment or measurement conditions. Schlegel Electronic Materials, SEM, reserves the right to make change to the data at any time without notice.

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