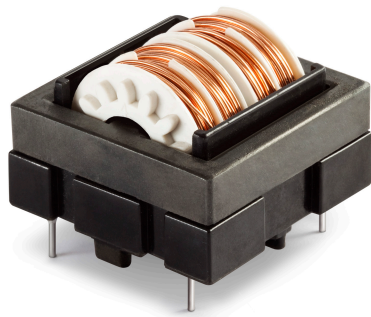


Common-mode Suppression Chokes



- Rated currents up to 5 A
- 4 different sizes
- Broadband attenuation characteristics
- Low magnetic leakage flux
- UL rated materials
- RoHS compliant



Approvals & Compliances

RoHS

Common-mode suppression chokes are mainly used to filter noise on AC power lines. Noise on commercial power lines could enter the equipment and disturb the proper function. Noise generated by the equipment for example from switch mode power supplies need to be filtered and the spread of such generated noise need to be suppressed. Common-mode suppression chokes together with line bypass capacitors building an AC EMI suppression filter device.

Features and Benefits

- Rated currents up to 5 A
- Compact and light weight
- Low magnetic leakage flux
- Sectional winding
- Standard foot print
- Broad range of available inductances and current ratings
- Custom-specific versions
- Schaffner also offers EMI measurement service to verify designs are compliant to safety standards

















































Typical Applications

- Input filters for switch mode power supplies
- Filters to reduce leaking noise
- TVs, VCRs, multimedia and audio equipment
- Office automation, communications and other electronic devices
- Electric ballast
- AC/AC converters

Family Technical Specifications

Rated inductance	0.5 to 90 MILLIHENRY
Resistance	Tolerance max. ±15% @ 25°C ≤20 mΩ, 1 A >20 mΩ ≤200 mΩ, 100 mA >200 mΩ ≤2 V, 10 mA
Electrical characteristics	@ 25°C ±2°C
Rated currents	0.3 to 5 A @ 50°C
Operating voltage	250 VAC
Temperature range (operation and storage)	-25°C to +100°C (25/100/21)
Flammability corresponding to	UL 94 V-0
MTBF (Mil-HB-217F)	>5,000,000 h @ 50°C/250 V
Overcurrent	1.5x Inominal for 1 minute, once per hour
Operating frequency	DC to 400 Hz

Articles

Article	Rated Current @ambient (A)	Inductance		Input/Output connections (Nm)			Read More
		L1	Resistance (kΩ)	Input terminal	Dist. stock		
EH20-0.3-02-33M	0.3	33	1780	02 - PCB Pin			
EH20-0.8-02-5M6	0.8	5.6	245	02 - PCB Pin			
EH20-1.2-02-3M3	1.2	3.3	127	02 - PCB Pin			
EH20-2.0-02-0M8	2	0.8	38	02 - PCB Pin			
EH24-0.8-02-18M	0.8	18	438	02 - PCB Pin			
EH24-1.5-02-4M5	1.5	4.5	116	02 - PCB Pin			
EH24-3.0-02-1M2	3	1.2	29	02 - PCB Pin			
EH28-1.0-02-36M	1	36	880	02 - PCB Pin			
EH28-2.0-02-11M	2	11	162	02 - PCB Pin			
EH28-4.0-02-2M3	4	2.3	52	02 - PCB Pin			
EH35-1.0-02-90M	1	90	628	02 - PCB Pin			
EH35-3.0-02-10M	3	10	72	02 - PCB Pin			
EH35-5.0-02-3M6	5	3.6	33	02 - PCB Pin			
EV20-0.5-02-18M	0.5	18	725	02 - PCB Pin			
EV20-1.0-02-3M9	1	3.9	168	02 - PCB Pin			
EV20-1.5-02-1M8	1.5	1.8	72	02 - PCB Pin			
EV24-0.5-02-44M	0.5	44	1250	02 - PCB Pin			
EV24-1.0-02-10M	1	10	244	02 - PCB Pin			
EV24-2.0-02-2M5	2	2.5	62	02 - PCB Pin			
EV24-4.0-02-0M5	4	0.5	16	02 - PCB Pin			
EV28-1.5-02-20M	1.5	20	282	02 - PCB Pin			
EV28-3.0-02-5M0	3	5	79	02 - PCB Pin			
EV28-5.0-02-1M1	5	1.1	27	02 - PCB Pin			
EV35-2.0-02-20M	2	20	150	02 - PCB Pin			
EV35-4.0-02-5M0	4	5	53	02 - PCB Pin			

Articles

Article	Rated Current @ambient (A)	Inductance		Resistance (kΩ)		Input/Output connections (Nm)		Dist. stock	Read More
		L1				Input terminal			
EV35-5.0-02-3M6	5	3.6		33		02 - PCB Pin			

Headquarters, Global Innovation and Development

Switzerland
Schaffner Group
Industrie Nord
Nordstrasse 11e
4542
Luterbach
+41 32 681 66 26
info@schaffner.com

Sales and Application Centers

Finland
Schaffner Oy
Lohjanharjuntie 1109
08500
Lohja
+ 358 50 468 72 84
finlandsales@schaffner.com

France
Schaffner EMC S.A.S.
16-20 Rue Louis Rameau
95875
Bezons
+33 1 34 34 30 60
francesales@schaffner.com

Germany
Schaffner Deutschland GmbH
Ohiostr. 8
76149
Karlsruhe
+49 721 56910
germanysales@schaffner.com

Italy
Schaffner EMC S.r.l.
Via Ticino, 30
20900
Monza (MB)
+39 039 21 41 070
italysales@schaffner.com

Japan
Schaffner EMC K.K.
ISM Sangenjaya 7F
1-32-12 Kamiyuma Setagaya-ku
154-0011
Tokyo
+81 3 5712 3650
japansales@schaffner.com

Singapore
Schaffner EMC Pte Ltd.
Blk 3015A Ubi Road 1 #05-09 Kampong Ubi
Industrial Estate
408705
Singapore
+65 63773283
singaporesales@schaffner.com

Sweden
Schaffner EMC AB
Östermalmstrorg 1
114 42
Stockholm
+46 8 5050 2425
swedensales@schaffner.com

Switzerland
Schaffner EMV AG
Industrie Nord
Nordstrasse 11e
4542
Luterbach
+41 32 681 66 26
switzerlandsales@schaffner.com

India
Schaffner India Pvt. Ltd
Regus World Trade Centre
WTC 22nd Floor Unit No 2238 Brigade
Gateway Campus 26/1 Dr. Rajkumar Road
Malleshwaram (W)
560055
Bangalore
+91 8067935355
indiasales@schaffner.com

United Kingdom
Schaffner Ltd.
Suite 1 Oakmede Place
Terrace Road
RG42 4JF
Binfield
+44 118 9770070
uksales@schaffner.com

United States
Schaffner EMC Inc.
52 Mayfield Avenue
Edison, New Jersey
+1 732 225 9533
usasales@schaffner.com

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