

EAT1 Series

Multi-Stage High Performance Filters (5-35A)



Typical application

- Digital systems
- Telecommunication systems
- Medical equipment
- Industrial installations

Features and benefits

- Excellent attenuation starting from low frequency
- High performance for both common and differential mode interference suppression
- Low leakage current

Conformity

- CE EN 60939
- CSA C22,2 | available on request for most types
- UL 1283 | available on request for most types
- Climatic category 40/085/21 (IEC 60068-1)

Technical specifications

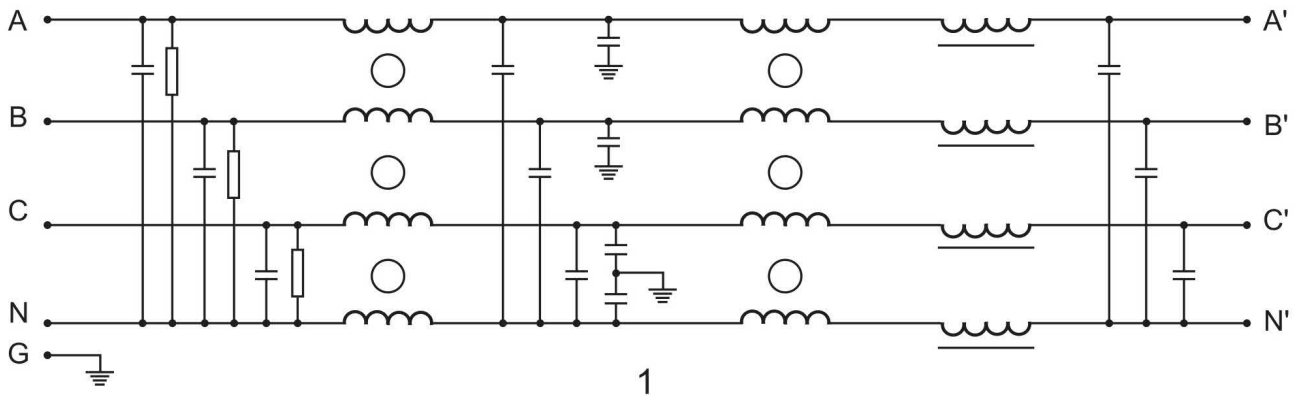
	Symbol	Value	Unit	Remarks
Rated voltage	V_R	440/250	VAC	
Rated current	I_R	5 ... 35	A	
Ground capacitance		47	nF	
Operating frequency	f_{op}	50/60	Hz	
Insertion loss		up to 100/100	dB	common/dfferential mode
Leakage current	I_l	---	mA	
Operating temperature	T_{amb}	-40 ... +85	°C	
Storage temperature	T_S	-40 ... +85	°C	
Test voltage - line to line	V_{test}	1500	VDC	
Test voltage - line to ground	V_{test}	2250	VDC	

Electrical properties

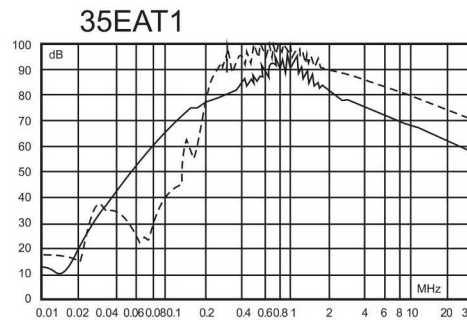
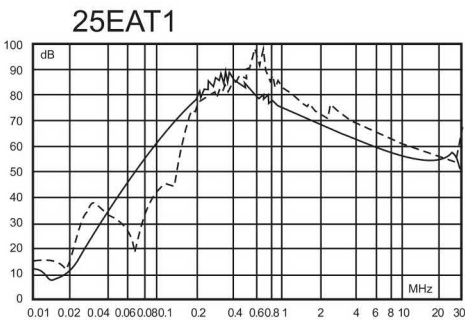
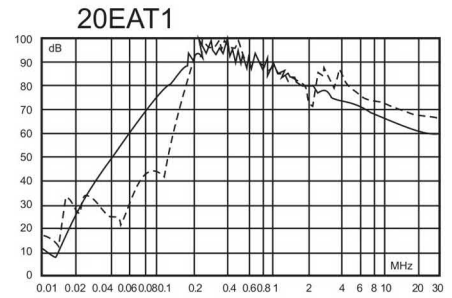
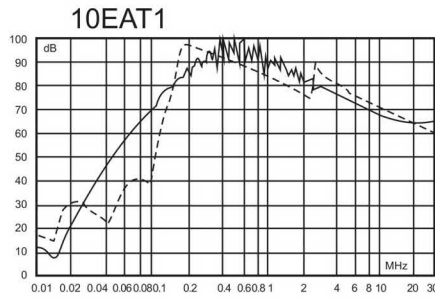
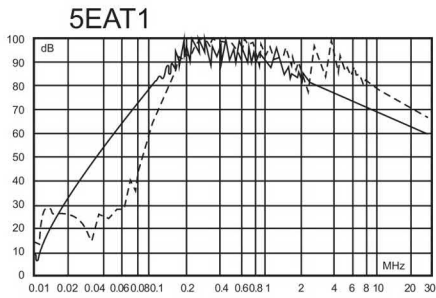
Model	Connection		Rated Current [A]	Ground Capacitance [nF]	Discharge Resistance [KΩ]	Circuit Diagram	Package Type	Size (LxBxH) [mm]
	Line	Load						
DL-5EAT1	S	S	5	47	440	1	1	202x60x44
DL-10EAT1	S	S	10	47	440	1	1	261x60x44
DL-20EAT1	S	S	20	47	440	1	1	261x60x44
DL-25EAT1	S	S	25	47	440	1	1	261x81x96
DL-35EAT1	S	S	35	47	440	1	1	261x81x96

Legend: S = screw terminal

Circuit schematic

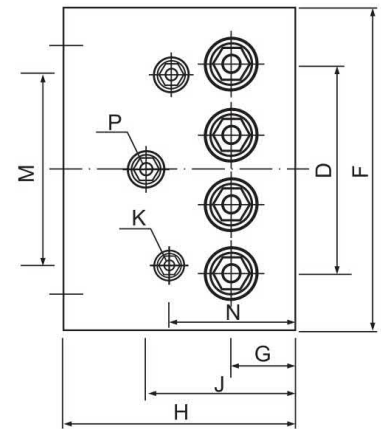
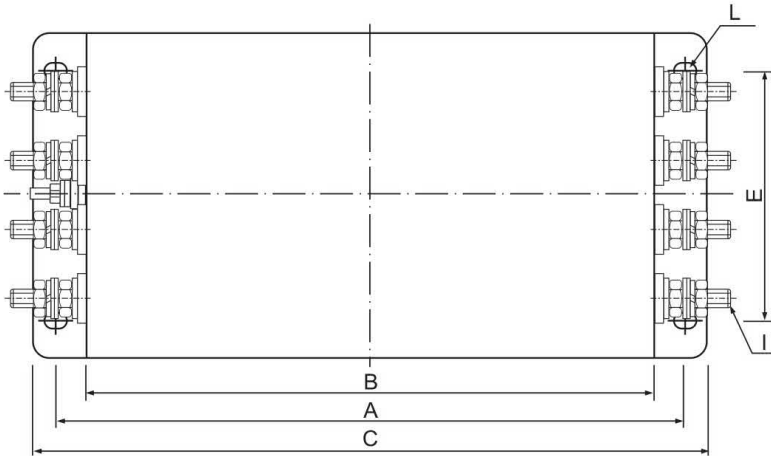


Insertion loss characteristics



_____ Common Mode
 - - - - - Differential Mode

Mechanical packaging



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