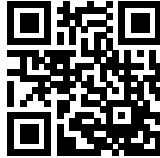


# EMC/RFI Filter for Japanese Market



- Rated current: 20 to 75 A @ 50°C
- Maximum continuous operating voltage: 3x520/300 VAC
- Nominal operating voltage: 480 VAC
- Rated currents: 20 to 75 A @ 50°C
- Overload capability: 4x rated current at switch on, 1.5x rated current for 1 minute, once per hour
- Operating frequency: DC to 60 Hz
- High potential test voltage: P → E 2000 VAC for 2 sec, P → P 2250 VDC for 2 sec
- Temperature range (operation and storage): -25°C to +100°C (25/100/21)
- Protection category: IP 00 (acc. IEC 60529-1)
- Flammability corresponding to: UL 94 V-0
- Design corresponding to: IEC/EN 60939
- MTBF (Mil-HB-217F): >327,000 h @ 40°C/400 V



## Technical Specifications

Maximum continuous operating voltage	3x520/300 VAC
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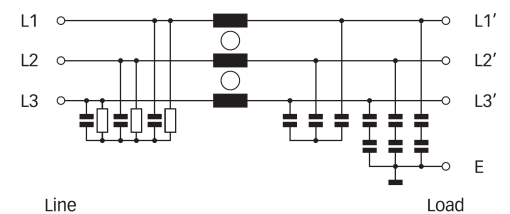
## Features and Benefits

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## Typical Applications

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### Filter Selection Table

Filter	Rated current, I <sub>R</sub>	Leakage current, I <sub>leak</sub>	Leakage current, I <sub>leak</sub>	Total capacitance, C <sub>T</sub>	Weight	Dimensions, L x W x H
	KA83NC	773-V083-H1	583V093H1BB (c&)%e) g)&, %ded	K-58NC		c&%%ec+ &%*
	I <sub>R</sub> [A]	I <sub>leak</sub> [mA]	I <sub>leak</sub> [mA]	I <sub>T</sub> [μF]	Weight [g]	
<b>Standard Housing</b>						
<b>FN3011-20-61</b>	20	0.05	1.75	6.0	0.56	-61
<b>FN3011-30-61</b>	30	0.05	1.75	8.1	0.74	-61
<b>FN3011-50-62</b>	50	0.05	1.75	12	1.35	-62
<b>FN3011-75-62</b>	75	0.05	1.75	22	1.77	-62

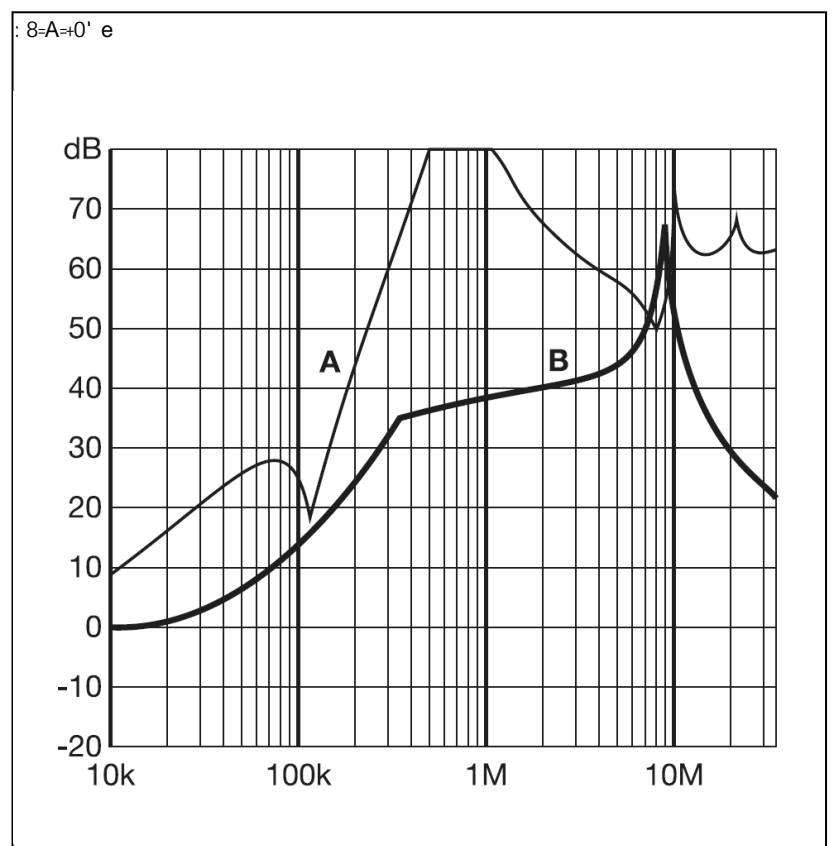
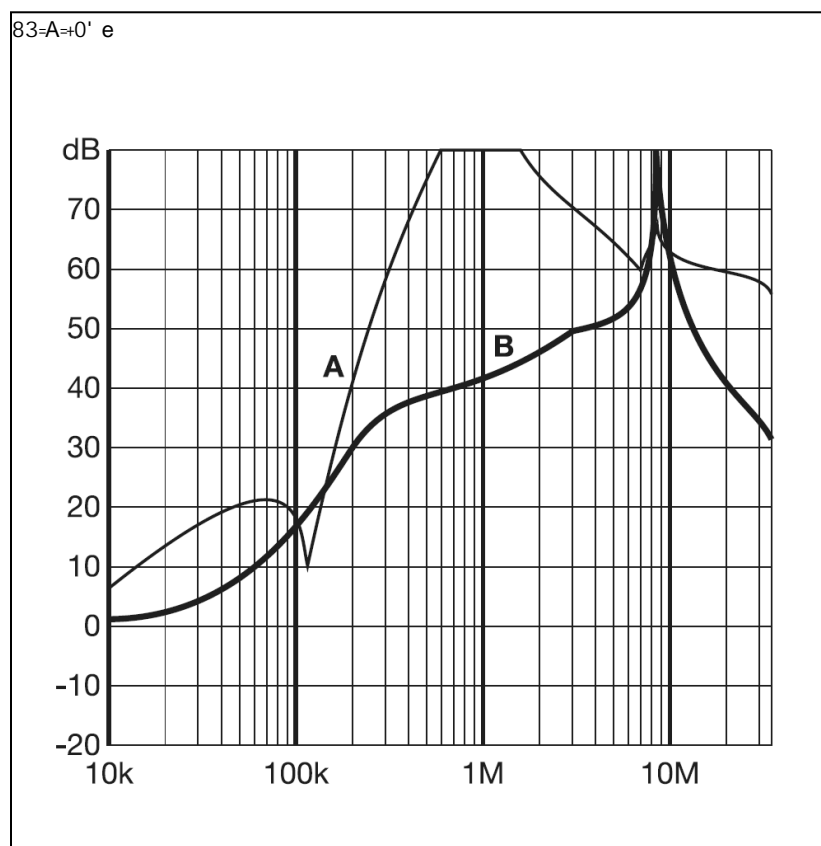
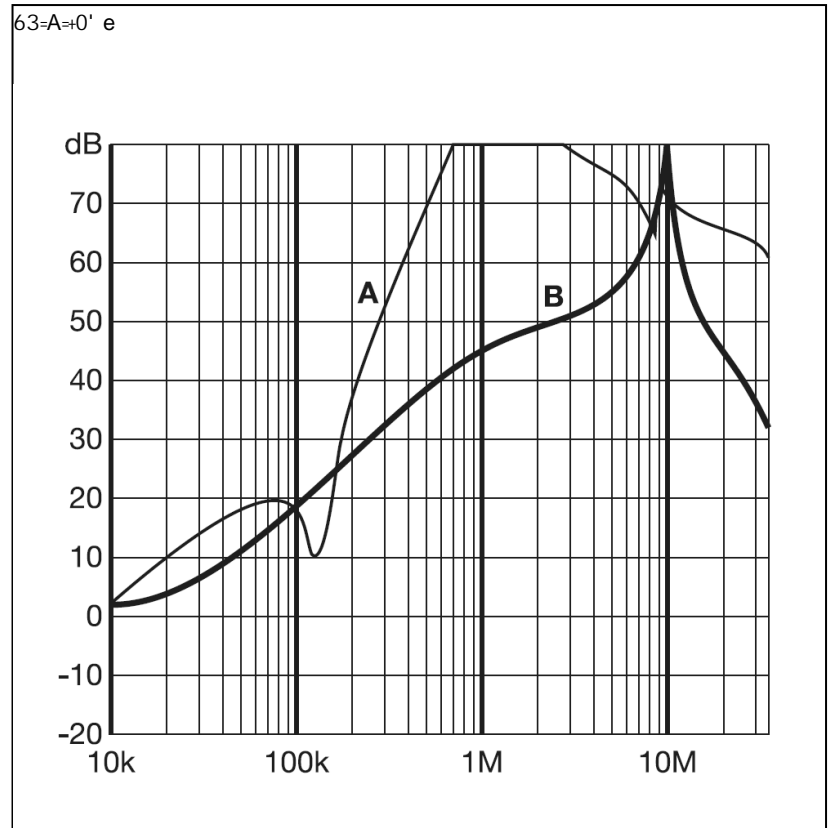
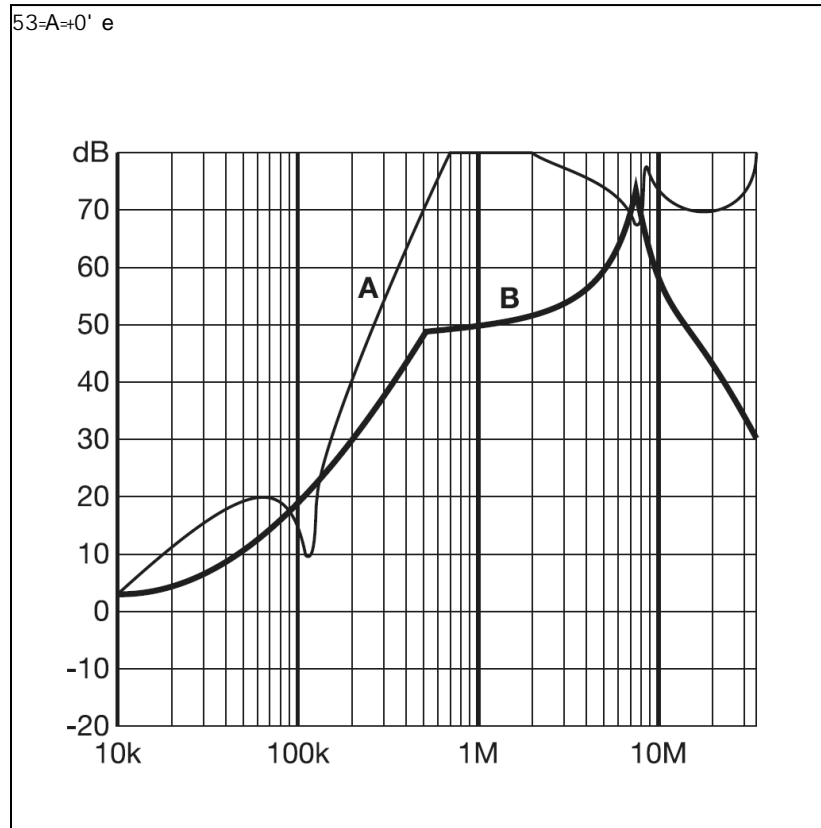
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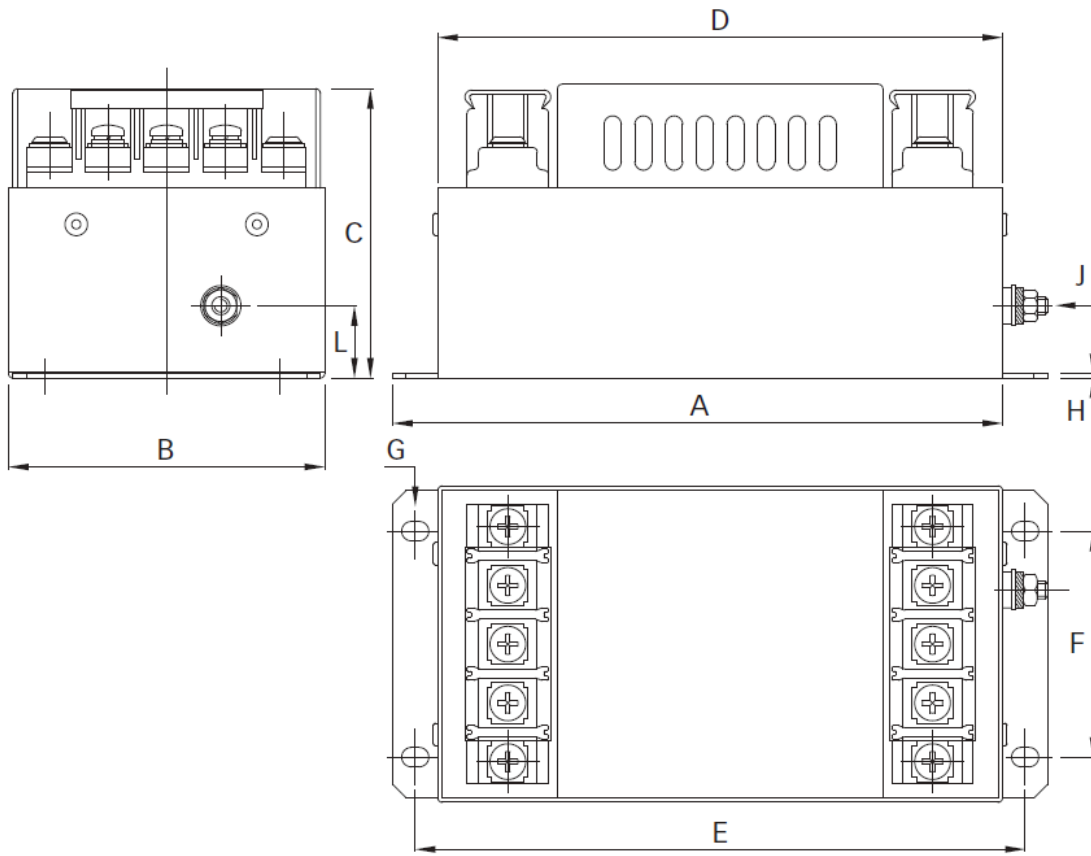
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### Typical Filter Attenuation

Pe)-CISPR4: I-AP83-2083-2-\*0\$ I-BP83-2083-2-a\*0\$



### Mechanical Data



### Dimensions

	20 A	30 A	50 A	75 A
<b>A</b>	145	145	192	214
<b>B</b>	70	74	90	90
<b>C</b>	64	67	85	85
<b>D</b>	125	125	155	177
<b>E</b>	135	135	174	196
<b>F</b>	50	50	70	70
<b>G</b>	6 x 4.3	6 x 4.3	7 x 5.3	7 x 5.3
<b>H</b>	1	1	1	1
<b>J</b>	M4	M4	M6	M6
<b>K</b>	23	25	27	27
<b>L</b>	16	16	18	18

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### Filter Input/Output Connector Cross Sections

	-61 (20 A and 30 A)	-62 (50 A and 75 A)
<b>Ring/fork lug (W/d)*</b>	max. 9 mm/min. Ø4.3 mm	max. 16mm/min. Ø6.3 mm
<b>Recommended torque</b>	1.2 - 1.4 Nm	6 Nm

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# Headquarters, Global Innovation and Development

## Switzerland

### Schaffner Group

Industrie- und  
Niederlassungen  
7875  
L. Bach  
07465-9; 499-59  
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# Sales and Application Centers

## Finland

### Schaffner Oy

Lähteenkatu 443  
3; 833  
Lähteenkatu  
068; -8379; -5; 7  
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## France

### Schaffner EMC S.A.S.

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## Germany

### Schaffner Deutschland GmbH

Ohrestraße 947  
Kaiserslautern, Heidesheim  
07141; 5489-43  
[ge\)\\$ a%0\\*a#e \\*K \\*chaff%e\)c&\\$](#)

## Italy

### Schaffner EMC S.r.l.

Via T. C. 53  
53033  
Mantova-F.M.B.G.  
0666-668-453-77-65  
[+a\)0\\*a#e \\*K \\*chaff%e\)c&\\$](#)

## Japan

### Schaffner EMC K.K.

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## Singapore

### Schaffner EMC Pte Ltd.

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## Sweden

### Schaffner EMC AB

Östergötlands  
447-75  
S&c" h&#\$  
079; -8383-5758  
[\\*. ede%\\*a#e \\*K \\*chaff%e\)c&\\$](#)

## Switzerland

### Schaffner EMV AG

Industrie- und  
Niederlassungen  
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L. Bach  
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## India

### Schaffner India Pvt. Ltd

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## United Kingdom

### Schaffner Ltd.

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## United States

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