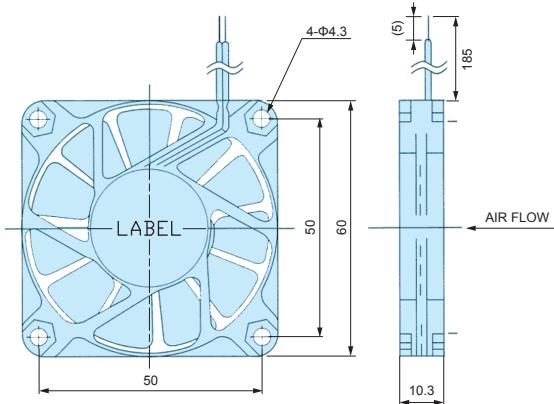


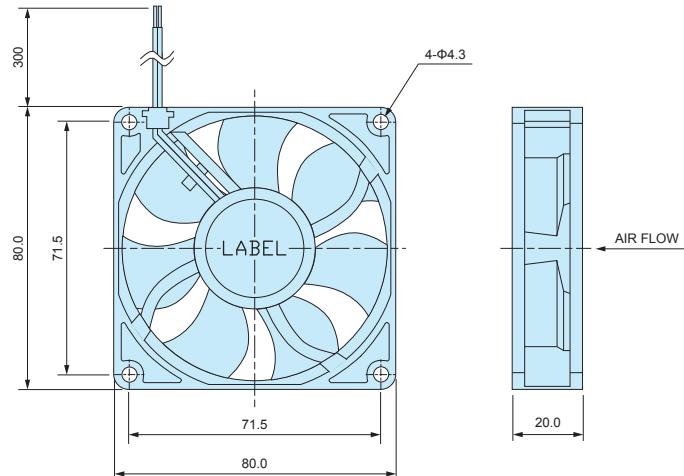
~~HF0610-12~~

Cross out products are discontinued.

Lead wire UL1007 AWG26

~~HF0820SA-12~~

Lead wire UL3385 AWG26



Product no. / Dimensions

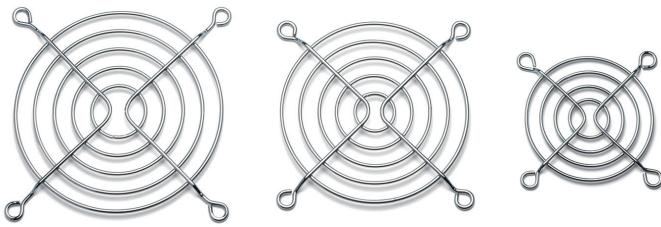
Product no.	Outer dimensions (mm)	Rated voltage (V)	Voltage range (V)	Rated current (A)	Rated input (W)	Max airflow (m³/min)	Max static pressure (pa)	Rotation speed (min⁻¹)	Operating temperature	Life expectancy (H)
HF2510NL-05	25.0 x 25.0 x 10.2	DC 5	4.5 ~ 5.5	0.15	0.75	0.048	18	8,000	-10 ~ +100°C	50,000
HF0312ES-12	30.0 x 30.0 x 10.2	DC12	10.2 ~ 13.8	0.15	1.8	0.1	36	7,500	-10 ~ +100°C	50,000
HF0410N-12	40.0 x 40.0 x 10.4	DC12	10.2 ~ 13.0	0.09	1.08	0.12	31.4	5,100	-5 ~ +60°C	50,000
HF0510ET-12	50.0 x 50.0 x 10.0	DC12	10.2 ~ 13.8	0.25	3	0.33	33	5,600	-10 ~ +100°C	50,000
HF0610-12	60.0 x 60.0 x 10.3	DC12	10.2 ~ 13.8	0.1	1.2	0.33	16.7	3,300	-5 ~ +60°C	50,000
HF0820SA-12	80.0 x 80.0 x 20.0	DC12	6.0 ~ 13.2	0.13	1.56	1.13	52.8	3,700	-10 ~ +70°C	40,000

■ Life expectancy is measured under normal operational conditions.

Cross out products are discontinued.

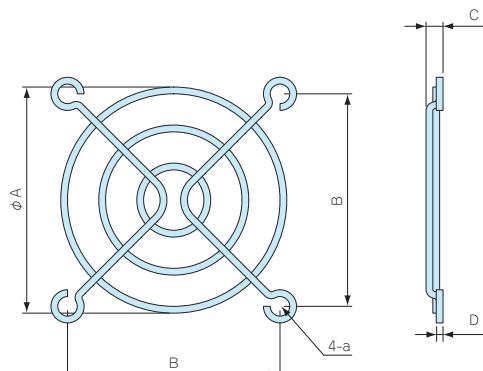
HF-G SERIES

FINGER GUARD



Cross out products are discontinued.

■ Material : Steel wire



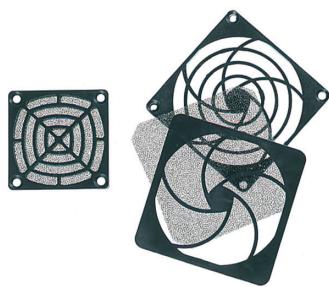
Product no. / Dimensions

■ Shape vary by model.

Product no.	A	B	C	D	a	Finish
HF-G 30	26	24	3	1.6	M3	Chrome plated
HF-G 40	28.5	32	5	1.6	M3 and M4	Nickel plated
HF-G 50	41	40	5	1.6	M3 and M4	Nickel plated
HF-G 60	53	50	4.5	1.6	M4	Nickel plated
HF-G 80	76	71.5	5	1.8	M4	Nickel plated
HF-G 90	90	82.5	5	1.8	M4	Nickel plated
HF-G120	115.5	104.8	6	1.8	M4	Nickel plated

HF-P SERIES

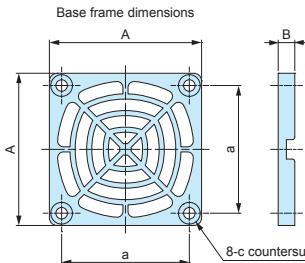
FAN DUST FILTER



■ DXF/DWG/PDF drawings available on our website.

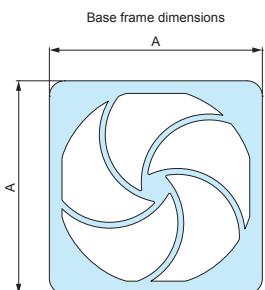
HF-P40 • HF-P60

※Drawings for HF-P60 model

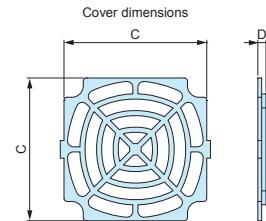


HF-P80 • HF-P90 • HF-P120

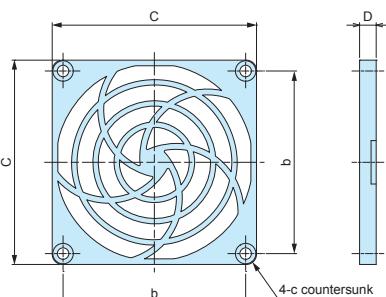
※Drawings for HF-P80 model.



Cover dimensions



Cover dimensions



Components

No.	Part name	Material	Color
1	Base frame	ABS UL94V-0	Black
2	Cover	ABS UL94V-0	Black
3	Filter	Polyurethane foam	Gray

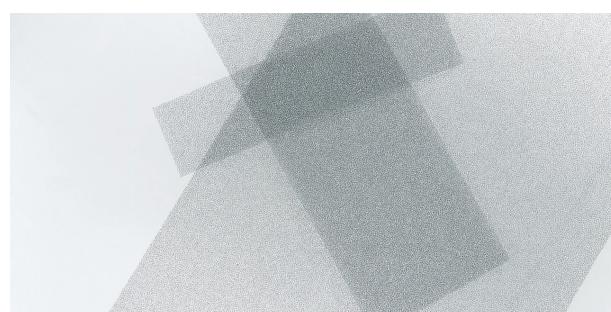
Product no. / Dimensions

■ Shape vary by model.

Product no.	A	B	C	D	a	b	c
HF-P 40	40	6.3	37	3.2	32	—	M3
HF-P 60	59.6	6.5	55.9	3.2	50	—	M4
HF-P 80	83.4	9.8	80	6.5	—	71.5	M4
HF-P 90	96.2	9.7	92	6.3	—	82.5	M4
HF-P120	123.7	10.8	117.2	7.3	—	104.8	M4

HR SERIES

FILTER



- Replacement filter for HF-P filter frame.
- Can also be used as a dustproof filter over vent holes.

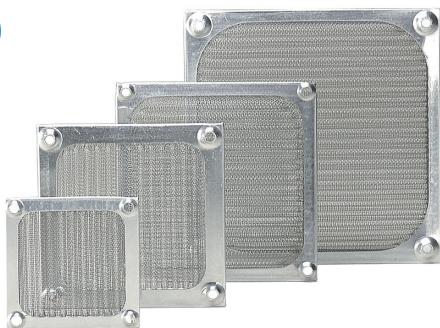
Product no. / Dimensions

Product no.	W	H	t
HR0520	200	50	3
HR1030	300	100	3
HR2550	500	250	3

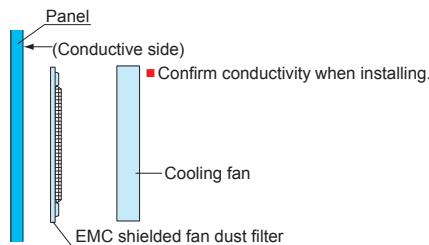
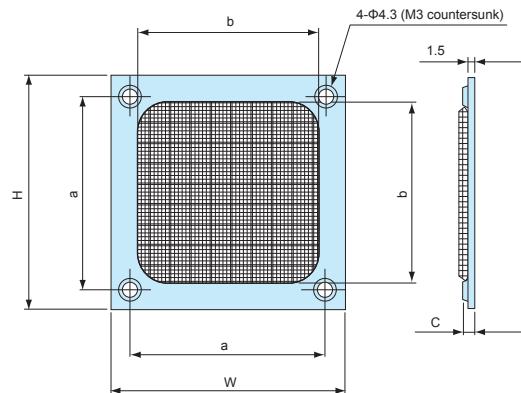
■ Material / Color : Polyurethane foam / Gray

EMF SERIES

EMC SHIELDED FAN DUST FILTER

EMC
Shielding
Effects

- Dust filter for a cooling fan hole as EMC shield purpose.



Components

Frame material	Filter material	Mesh
Aluminium / Unfinished	Stainless steel	30

■ Mesh 30 = 30 openings in a 1 square inch area (25.4 x 25.4mm).

Product no. / Dimensions

Product no.	W	H	a	b	c	Matching fan size (mm)
EMF- 60	60	60	50	47	3.5	60.0 x 60.0
EMF- 80	83.8	83.8	71.5	69	3.5	80.0 x 80.0
EMF- 90	92	92	82.5	78	3.5	92.0 x 92.0
EMF-120	119	119	104.8	104.8	3.5	120.0 x 120.0

APPLICATION EXAMPLE

