

EXH • EXHE • EXHF • EXHFE series

HEAT-SINK ALUMINIUM ENCLOSURE

EXH • EXHE • EXHF • EXHFE series are aluminium enclosures with a highly efficient heat-sink top cover. Suitable to be used as fanless PC, power amplifier, and power supply box where heat dissipation is required.

Wide range, 64 different sizes available with EMC shielded and flanged models.



Waved surface heat-sink fins for maximum cooling performance!

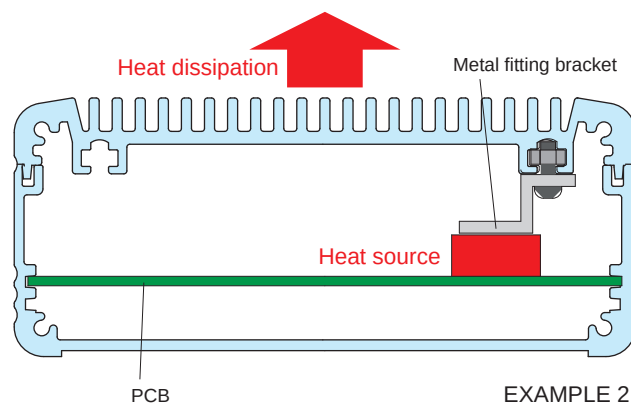
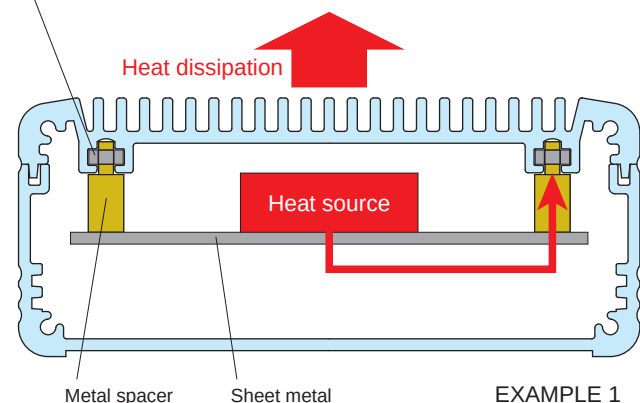
- Each heat-sink fin has a waved surface construction for maximum cooling performance.

Waved Surface



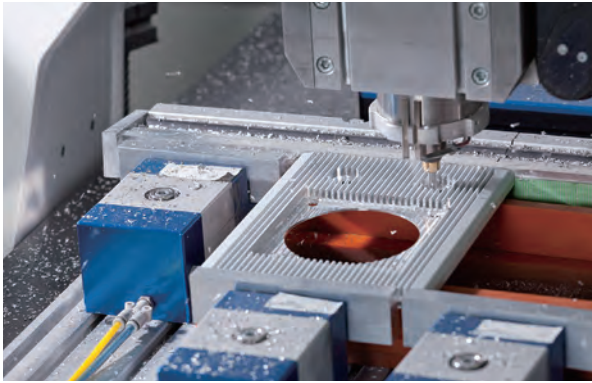
HEAT DISSIPATION EXAMPLE

- EXH series has grooves to put M3 nuts inside its heat-sink cover. It is possible to construct a heat conduction route from your heat source to heat-sink cover easily for better heat dissipation performance.



CUSTOMIZATION EXAMPLE

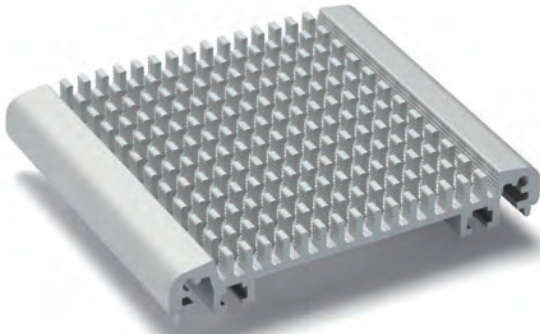
CNC Machining on Heat-sink Cover



Heat-sink plates can be customized with our high speed CNC machines.



Pin Shaped Fin Customization



Pin shaped heat-sink fin can be customized for better cooling performance.

Color Anodization

Various colors, such as blue, red, orange, green or purple can be anodized as per your requirements.



■ Not all colors and shades of colors are possible.

Custom Length Available



APPLICATION EXAMPLE

Stabilized Diode Laser

Laser head



Controller



IoT Gateway



UPS Battery Monitoring System



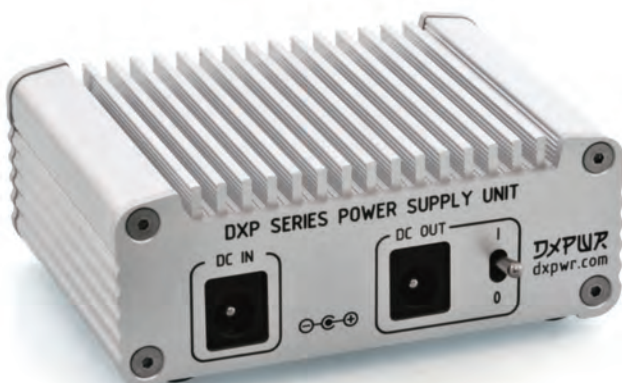
All-in-one Edge Node

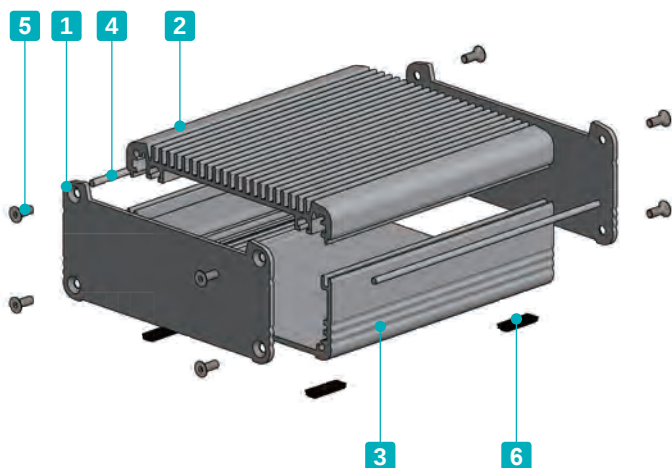


4 Channel Power Switching Edge Node

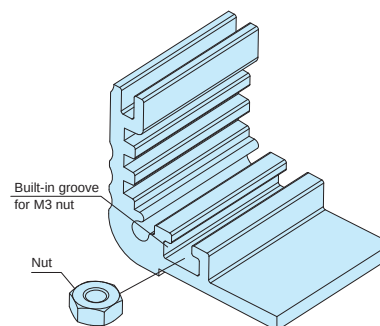


Ultra Low Noise Regulation Power Supply





- EMC shielding is achieved by having the unfinished inner sides of the heat-sink top cover, bottom frame and panels, as well as the shielding gasket in contact with one another.
- Aluminum enclosure equipped with a highly efficient heat-sink top cover.
- Grooves for M3 sliding nut are built into the heat-sink top cover and bottom frame (140mm or wider). Optional nut is available.

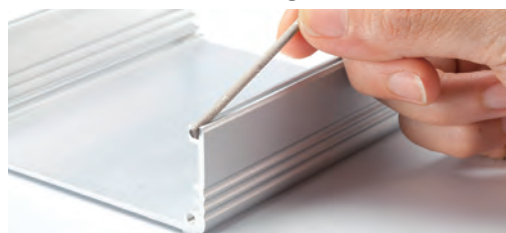


Components

No.	Part name	Pcs	Material	Color / Finish
1	Panel	2	Aluminium A1050P	Metallic silver / Painted (Unfinished inside)
2	Heat-sink top cover	1	Extruded aluminium A6063S-T5	Metallic silver / Painted (Unfinished inside)
3	Bottom frame	1	Extruded aluminium A6063S-T5	Metallic silver / Painted (Unfinished inside)
4	Fabric-over-foam gasket	2	Conductive fabric : TPE	Metallic gray
5	Screw (Hexagonal)	8	Stainless steel	Unfinished
6	Rubber feet	4	Polyurethane • Synthetic rubber	Black

■ Rubber feet material : Polyurethane : EXHE8-□ ~ 19-□ models • Synthetic rubber : EXHE23-□ ~ 29-□ models.

How to install shield gaskets

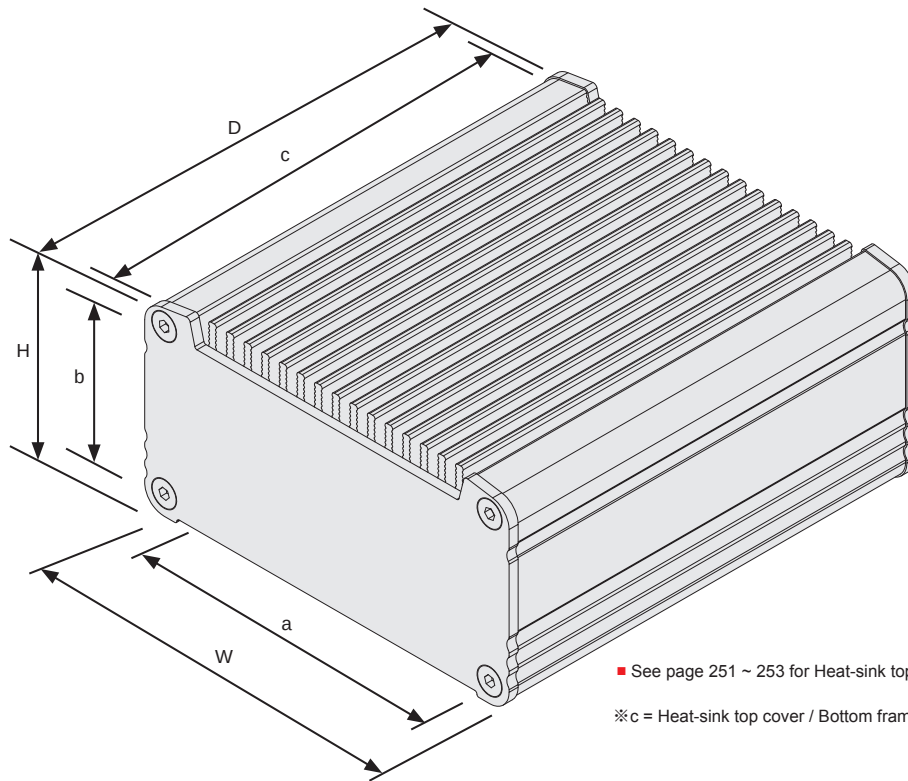


- Insert fabric-over-foam gaskets into the joint-grooves on both sides of the bottom cover.
- Ensure that a small portion of the fabric-over-foam gaskets protrude out in order to maintain connections with the end panels.

Included screws
 EXHE8-□ models : M2.5-8 x 8 pcs
 EXHE11-□, 14-□ models : M3-8 x 8 pcs
 EXHE19-□ models : M4-10 x 8 pcs
 EXHE23-□, 29-□ models : M5-10 x 8 pcs
 ※Hexagonal wrench included.

EXHE dimensions

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



■ See page 251 ~ 253 for Heat-sink top cover / Bottom frame dimensions.

※ c = Heat-sink top cover / Bottom frame length.

Product no. / Dimensions

Product no.	External dimensions			Internal dimensions			※ Thermal resistance rate (°C/W)
	W	H	D	a	b	c	
EXHE 8-3- 6SS	80.6	30.7	60	66	15	56	7.32
EXHE 8-3- 9SS	80.6	30.7	90	66	15	86	5.65
EXHE 8-3-12SS	80.6	30.7	120	66	15	116	4.72
EXHE 8-4- 6SS	80.6	40.7	60	66	25	56	7.32
EXHE 8-4- 9SS	80.6	40.7	90	66	25	86	5.65
EXHE 8-4-12SS	80.6	40.7	120	66	25	116	4.72
EXHE 8-6- 6SS	80.6	55.7	60	66	40	56	7.32
EXHE 8-6- 9SS	80.6	55.7	90	66	40	86	5.65
EXHE 8-6-12SS	80.6	55.7	120	66	40	116	4.72
EXHE11-3- 8SS	106	31.1	78	88.5	14	74	4.82
EXHE11-3-12SS	106	31.1	118	88.5	14	114	3.72
EXHE11-3-16SS	106	31.1	164	88.5	14	160	3.03
EXHE11-5- 8SS	106	46.1	78	88.5	29	74	4.82
EXHE11-5-12SS	106	46.1	118	88.5	29	114	3.72
EXHE11-5-16SS	106	46.1	164	88.5	29	160	3.03
EXHE11-6- 8SS	106	61.1	78	88.5	44	74	4.82
EXHE11-6-12SS	106	61.1	118	88.5	44	114	3.72
EXHE11-6-16SS	106	61.1	164	88.5	44	160	3.03
EXHE14-4-10SS	141	36.1	97	101.8	24.3	93	3.4
EXHE14-4-14SS	141	36.1	137	101.8	24.3	133	2.75
EXHE14-4-19SS	141	36.1	187	101.8	24.3	183	2.27
EXHE14-5-10SS	141	51.1	97	101.8	39.3	93	3.4
EXHE14-5-14SS	141	51.1	137	101.8	39.3	133	2.75
EXHE14-5-19SS	141	51.1	187	101.8	39.3	183	2.27
EXHE14-7-10SS	141	71.1	97	101.8	59.3	93	3.4
EXHE14-7-14SS	141	71.1	137	101.8	59.3	133	2.75
EXHE14-7-19SS	141	71.1	187	101.8	59.3	183	2.27
EXHE14-9-10SS	141	91.1	97	101.8	79.3	93	3.4
EXHE14-9-14SS	141	91.1	137	101.8	79.3	133	2.75
EXHE14-9-19SS	141	91.1	187	101.8	79.3	183	2.27
EXHE19- 4-13SS	186.5	43.5	125	131	26.8	120	1.92
EXHE19- 4-18SS	186.5	43.5	177	131	26.8	172	1.56
EXHE19- 4-23SS	186.5	43.5	230	131	26.8	225	1.32
EXHE19- 4-29SS	186.5	43.5	285	131	26.8	280	1.15
EXHE19- 6-13SS	186.5	61.5	125	131	44.8	120	1.92
EXHE19- 6-18SS	186.5	61.5	177	131	44.8	172	1.56
EXHE19- 6-23SS	186.5	61.5	230	131	44.8	225	1.32
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EXHE19-11-13SS	186.5	106.5	125	131	89.8	120	1.92
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EXHE19-11-23SS	186.5	106.5	230	131	89.8	225	1.32
EXHE19-11-29SS	186.5	106.5	285	131	89.8	280	1.15
EXHE23- 5-15SS	232	52	153	176	34.8	147	1.47
EXHE23- 5-21SS	232	52	213	176	34.8	207	1.2
EXHE23- 5-27SS	232	52	273	176	34.8	267	1.03
EXHE23- 5-33SS	232	52	333	176	34.8	327	0.91
EXHE23- 8-15SS	232	77	153	176	59.8	147	1.47
EXHE23- 8-21SS	232	77	213	176	59.8	207	1.2
EXHE23- 8-27SS	232	77	273	176	59.8	267	1.03
EXHE23- 8-33SS	232	77	333	176	59.8	327	0.91
EXHE23-10-15SS	232	102	153	176	84.8	147	1.47
EXHE23-10-21SS	232	102	213	176	84.8	207	1.2
EXHE23-10-27SS	232	102	273	176	84.8	267	1.03
EXHE23-10-33SS	232	102	333	176	84.8	327	0.91
EXHE29- 8-23SS	287.5	77.5	234	230	59.5	228	0.97
EXHE29- 8-30SS	287.5	77.5	304	230	59.5	298	0.82
EXHE29- 8-38SS	287.5	77.5	384	230	59.5	378	0.71
EXHE29-13-23SS	287.5	127.5	234	230	109.5	228	0.97
EXHE29-13-30SS	287.5	127.5	304	230	109.5	298	0.82
EXHE29-13-38SS	287.5	127.5	384	230	109.5	378	0.71

※ Thermal resistance test condition

- Ambient air cooling.
- Heat-sink fins are set perpendicular to the ground with temperature at 60°C.
- Painted aluminium extrusion.
- Heat source is applied on the opposite side (inner side) of the fins.

■ Custom length is available.

NOTICE

EXH, EXHF and EXHS Series Discontinuation of Color Types

- Affected series / models : EXH, EXHF, EXHS series ("BS" and "SB" color types).

BS Color Type (Discontinued)



SB Color Type (Discontinued)



NOTICE

EXH, EXHF, EXHS, EF and EF-36 Series Changes to Surface Finish

- Affected series/models : EXH, EXHF, and EXHS series ("SS" color type)
EF, and EF-36 series ("S" color type)
- Changes : Surface Finish

Current (Old) Design



New Design



Current (Old) Surface Finish

- Silver Anodized

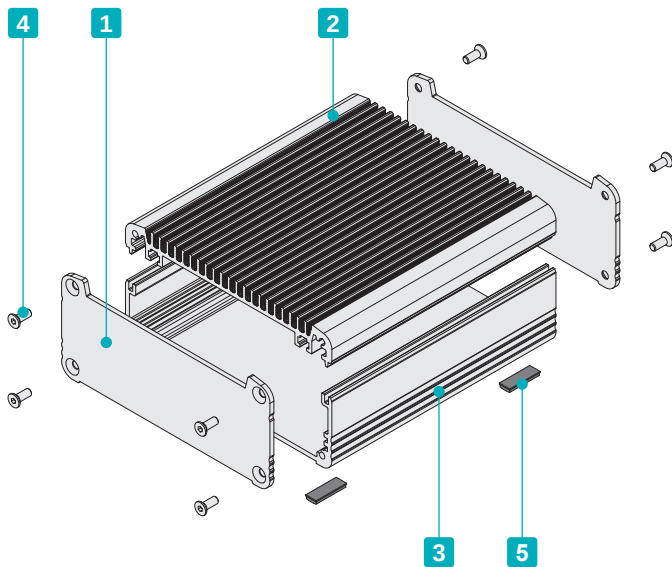
New Surface Finish

- Silver Metallic Painted (Unfinished Inside)

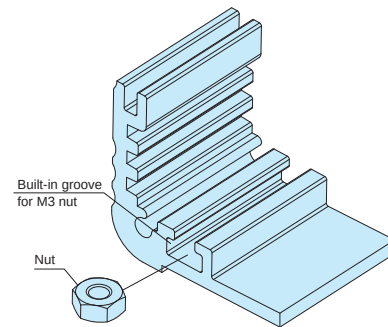
- Purpose: To ensure consistent quality throughout via streamlined supply chain and materials.
- Effective date : From December 9, 2021.
- Alternatives : "SS" or "BB" color types.

Thank you for your understanding.

For more information, kindly contact us at: sales@takachi-el.co.jp



- Aluminum enclosure equipped with a highly efficient heat-sink top cover.
- Suitable to be used as a fanless PC, power amplifier, power supply etc. where heat dissipation is required.
- Selectable in 64 different sizes and 2 different color combinations.
- Grooves for M3 sliding nut are built into the heat-sink top cover and bottom frame (140mm or wider). Optional nut is available.



Components

No.	Part name	Pcs	Material	Color / Finish
1	Panel	2	Aluminium A1050P	Metallic silver / Painted (Unfinished inside) : Black / Anodized
2	Heat-sink top cover	1	Extruded aluminium A6063S-T5	Metallic silver / Painted (Unfinished inside) : Black / Anodized
3	Bottom frame	1	Extruded aluminium A6063S-T5	Metallic silver / Painted (Unfinished inside) : Black / Anodized
4	Screw (Hexagonal)	8	Stainless steel	Unfinished
5	Rubber feet	4	Polyurethane • Synthetic rubber	Black

■ Rubber feet material : Polyurethane : EXH8-□ ~ 19-□ models • Synthetic rubber : EXH23-□ ~ 29-□ models.

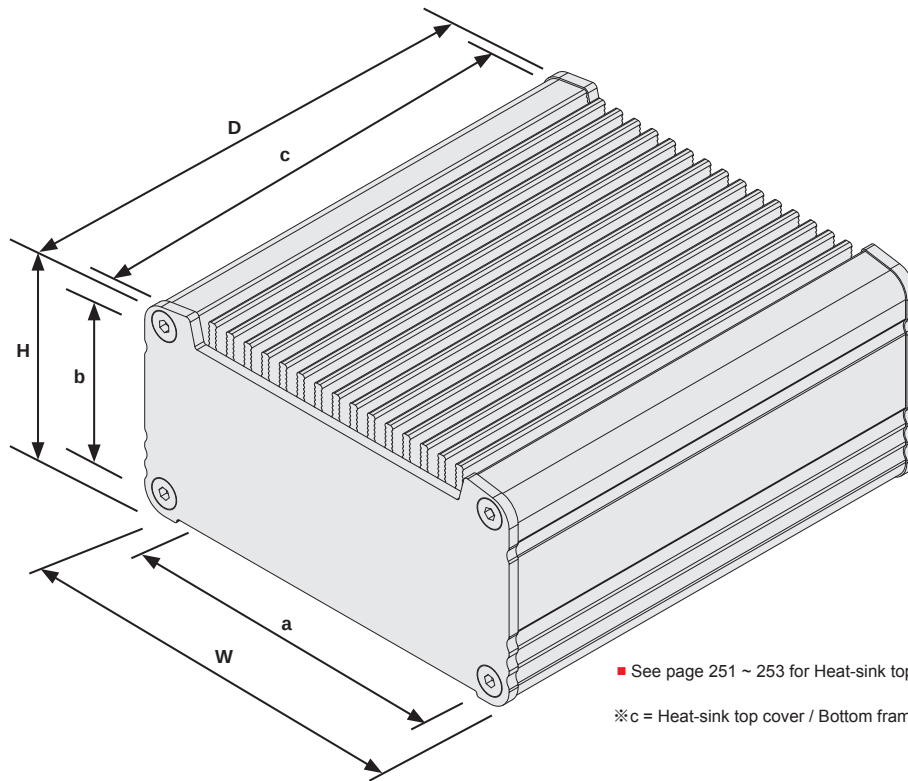
Color Type

Code	SS Silver / Silver	BB Black / Black
Color		

Included screws
 EXH8-□ models : M2.5-8 x 8 pcs
 EXH11-□, 14-□ models : M3-8 x 8 pcs
 EXH19-□ models : M4-10 x 8 pcs
 EXH23-□, 29-□ models : M5-10 x 8 pcs
 ※ Hexagonal wrench included.

EXH dimensions

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



■ See page 251 ~ 253 for Heat-sink top cover / Bottom frame dimensions.

※ c = Heat-sink top cover / Bottom frame length.

Product no. / Dimensions

■ Please suffix color code at the end of the product number.

Product no.	External dimensions			Internal dimensions			※ Thermal resistance rate (°C/W)
	W	H	D	a	b	c	
EXH 8-3- 6□□	80.6	30.7	60	66	15	56	7.32
EXH 8-3- 9□□	80.6	30.7	90	66	15	86	5.65
EXH 8-3-12□□	80.6	30.7	120	66	15	116	4.72
EXH 8-4- 6□□	80.6	40.7	60	66	25	56	7.32
EXH 8-4- 9□□	80.6	40.7	90	66	25	86	5.65
EXH 8-4-12□□	80.6	40.7	120	66	25	116	4.72
EXH 8-6- 6□□	80.6	55.7	60	66	40	56	7.32
EXH 8-6- 9□□	80.6	55.7	90	66	40	86	5.65
EXH 8-6-12□□	80.6	55.7	120	66	40	116	4.72
EXH11-3- 8□□	106	31.1	78	88.5	14	74	4.82
EXH11-3-12□□	106	31.1	118	88.5	14	114	3.72
EXH11-3-16□□	106	31.1	164	88.5	14	160	3.03
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EXH14-5-10□□	141	51.1	97	101.8	39.3	93	3.4
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EXH14-7-10□□	141	71.1	97	101.8	59.3	93	3.4
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EXH14-9-14□□	141	91.1	137	101.8	79.3	133	2.75
EXH14-9-19□□	141	91.1	187	101.8	79.3	183	2.27

※ Thermal resistance test condition

- Ambient air cooling.
- Heat-sink fins are set perpendicular to the ground with temperature at 60°C.
- Painted aluminium extrusion.
- Heat source is applied on the opposite side (inner side) of the fins.

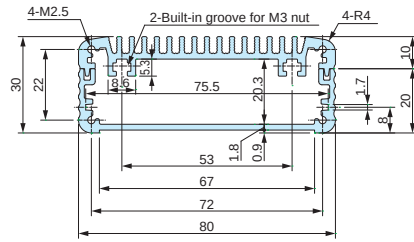
Product no.	External dimensions			Internal dimensions			※ Thermal resistance rate (°C/W)
	W	H	D	a	b	c	
EXH19- 4-13□□	186.5	43.5	125	131	26.8	120	1.92
EXH19- 4-18□□	186.5	43.5	177	131	26.8	172	1.56
EXH19- 4-23□□	186.5	43.5	230	131	26.8	225	1.32
EXH19- 4-29□□	186.5	43.5	285	131	26.8	280	1.15
EXH19- 6-13□□	186.5	61.5	125	131	44.8	120	1.92
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EXH19-11-23□□	186.5	106.5	230	131	89.8	225	1.32
EXH19-11-29□□	186.5	106.5	285	131	89.8	280	1.15
EXH23- 5-15□□	232	52	153	176	34.8	147	1.47
EXH23- 5-21□□	232	52	213	176	34.8	207	1.2
EXH23- 5-27□□	232	52	273	176	34.8	267	1.03
EXH23- 5-33□□	232	52	333	176	34.8	327	0.91
EXH23- 8-15□□	232	77	153	176	59.8	147	1.47
EXH23- 8-21□□	232	77	213	176	59.8	207	1.2
EXH23- 8-27□□	232	77	273	176	59.8	267	1.03
EXH23- 8-33□□	232	77	333	176	59.8	327	0.91
EXH23-10-15□□	232	102	153	176	84.8	147	1.47
EXH23-10-21□□	232	102	213	176	84.8	207	1.2
EXH23-10-27□□	232	102	273	176	84.8	267	1.03
EXH23-10-33□□	232	102	333	176	84.8	327	0.91
NEW EXH29- 8-23□□	287.5	77.5	234	230	59.5	228	0.97
NEW EXH29- 8-30□□	287.5	77.5	304	230	59.5	298	0.82
NEW EXH29- 8-38□□	287.5	77.5	384	230	59.5	378	0.71
NEW EXH29-13-23□□	287.5	127.5	234	230	109.5	228	0.97
NEW EXH29-13-30□□	287.5	127.5	304	230	109.5	298	0.82
NEW EXH29-13-38□□	287.5	127.5	384	230	109.5	378	0.71

■ Custom length is available.

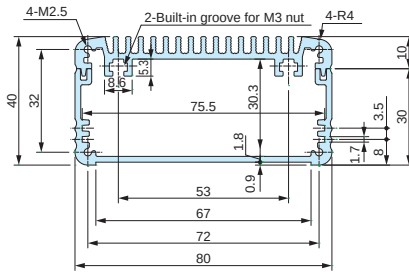
Cross-section view of heat-sink top cover & bottom frame

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

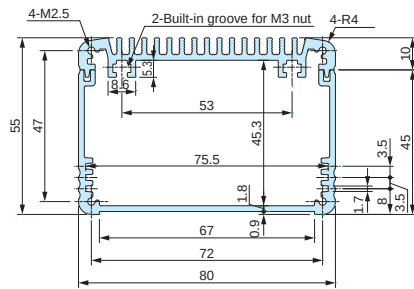
EXH • EXHE • EXHF • EXHFE8-3-□



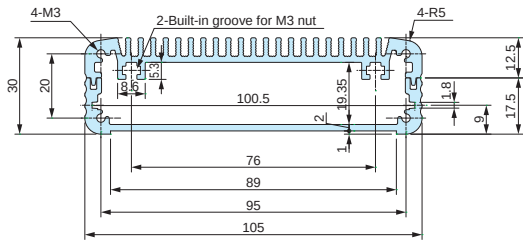
EXH • EXHE • EXHF • EXHFE8-4-□



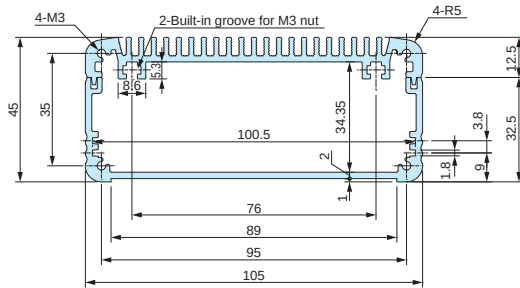
EXH • EXHE • EXHF • EXHFE8-6-□



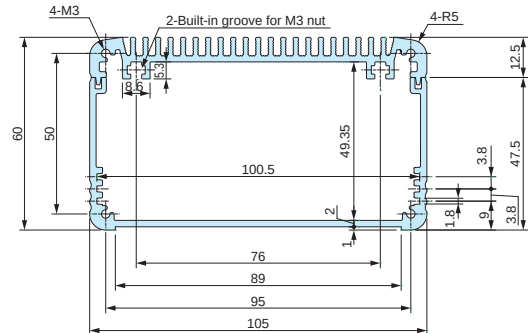
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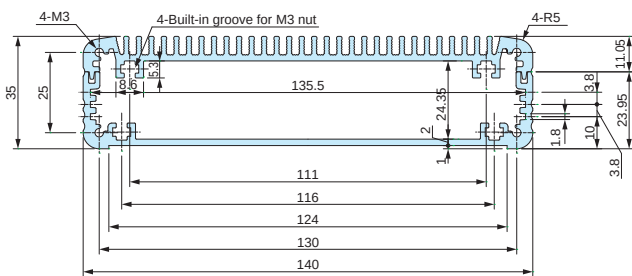
EXH • EXHE • EXHF • EXHFE11-5-□



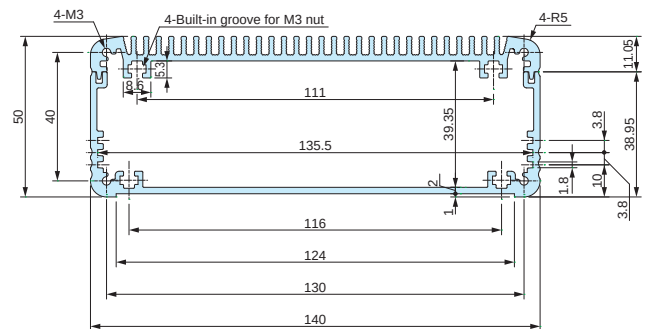
EXH • EXHE • EXHF • EXHFE11-6-□



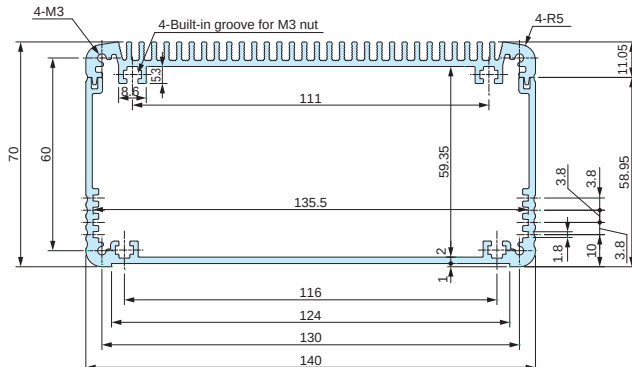
EXH • EXHE • EXHF • EXHFE14-4-□



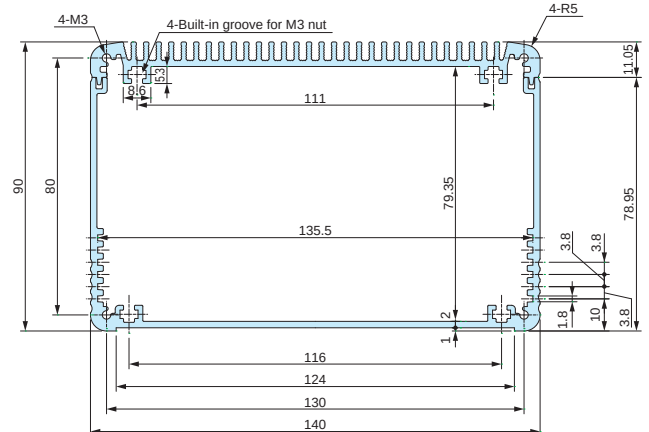
EXH • EXHE • EXHF • EXHFE14-5-□



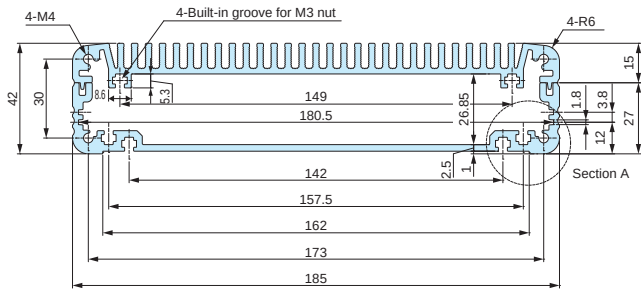
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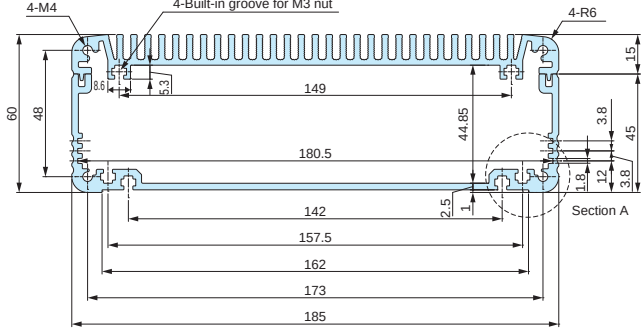
EXH • EXHE • EXHF • EXHFE14-9-□



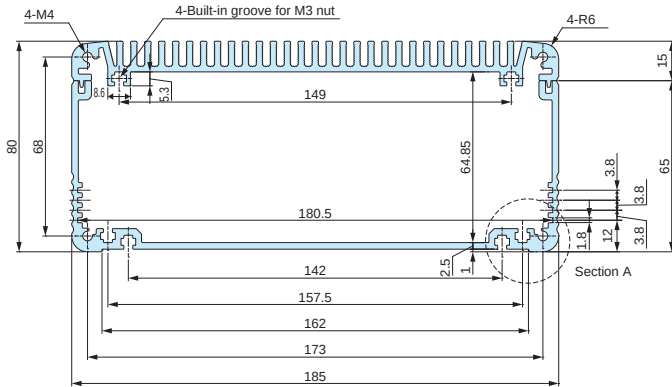
EXH • EXHE • EXHF • EXHFE19-4-□



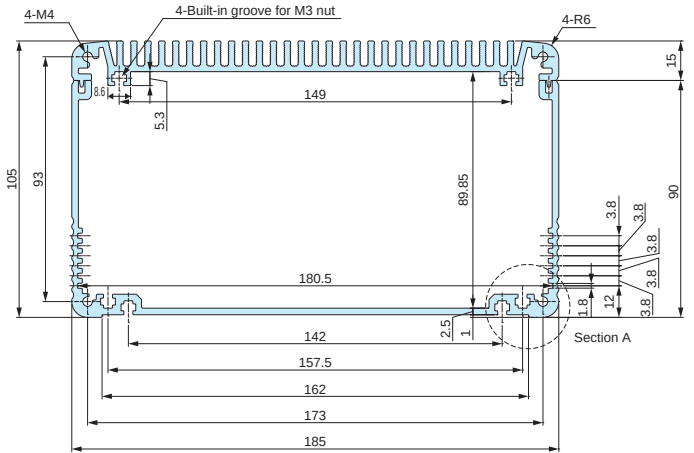
EXH • EXHE • EXHF • EXHFE19-6-□



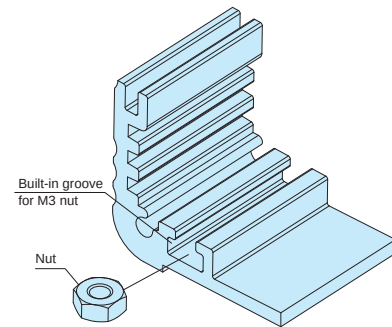
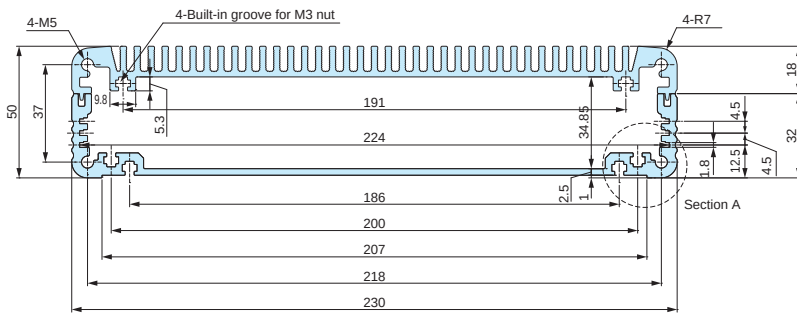
EXH • EXHE • EXHF • EXHFE19-8-□



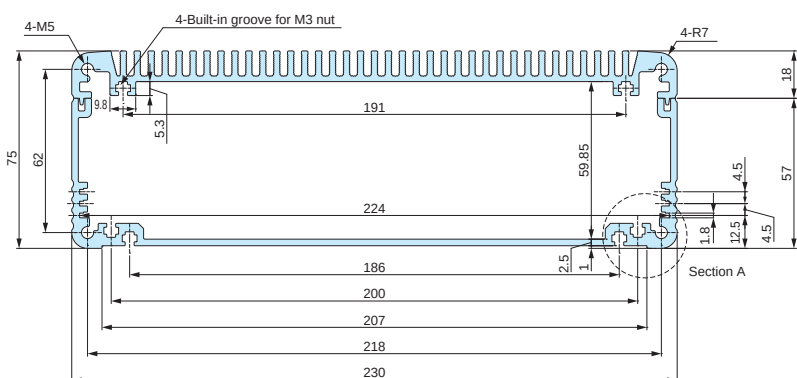
EXH • EXHE • EXHF • EXHFE19-11-□



EXH • EXHE • EXHF • EXHFE23-5-□



EXH • EXHE • EXHF • EXHFE23-8-□



■ Optional M3 nut is available.

Sliding nut can be used on all EXH • EXHE • EXHF • EXHFE models with width 140mm or larger bottom covers, as well as all heat-sink top covers.

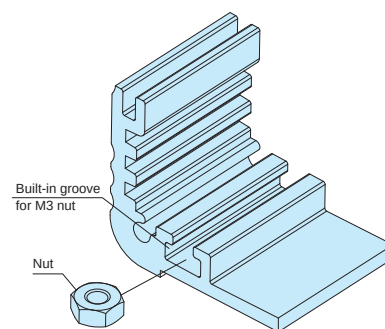
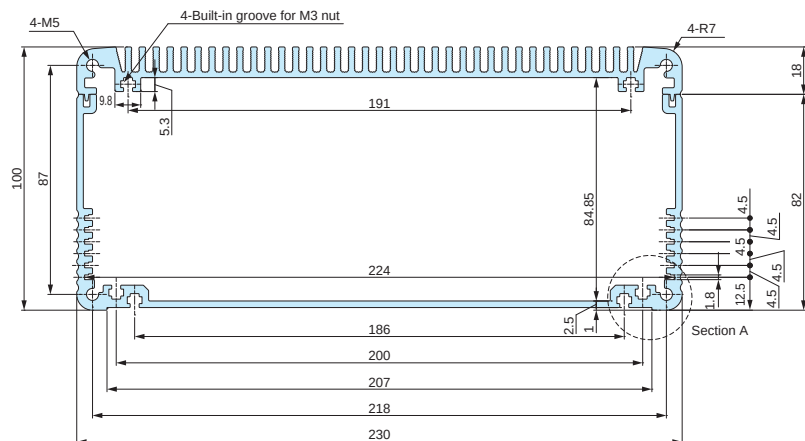
See page 221 for MT-3N optional M3 nut.

*See page 253 for detailed dimensions for Section A

Cross-section view of heat-sink top cover & bottom frame

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

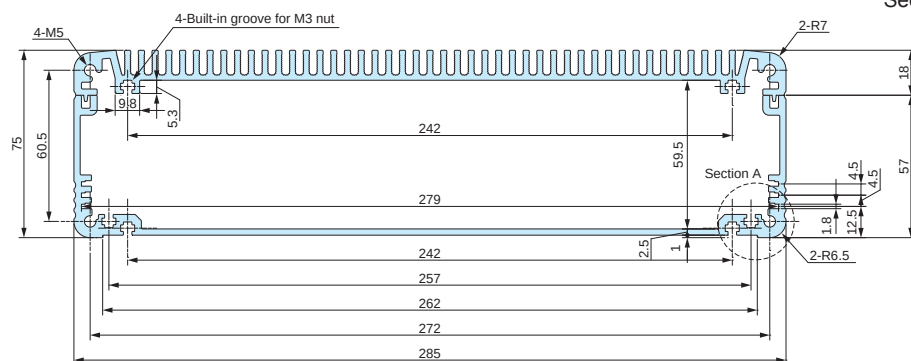
EXH • EXHE • EXHF • EXHFE23-10-□



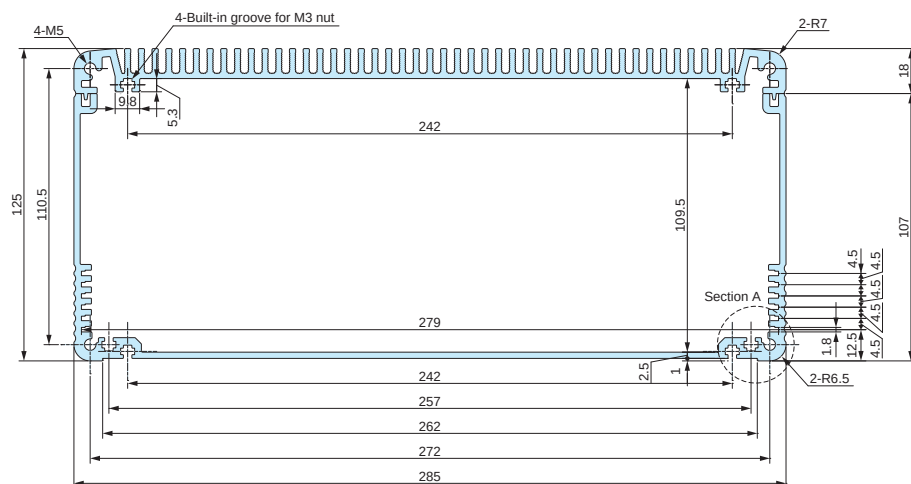
- Optional M3 nut is available.

Sliding nut can be used on all EXH • EXHE • EXHF • EXHFE models with width 140mm or larger bottom covers, as well as all heat-sink top covers.

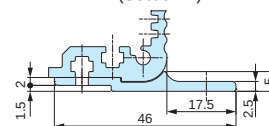
See page 221 for MT-3N optional M3 nut.

EXH • EXHE • EXHF • EXHFE29-8-

EXH • EXHE • EXHF • EXHFE29-13-□



Flange bracket dimensions (Section A)



EF series

WALL MOUNTING BRACKET for EX • EXH • EXHE



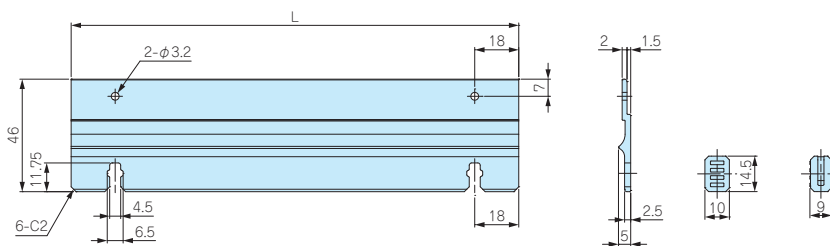
Installation Example



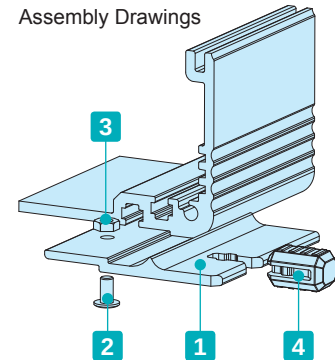
- Wall mounting bracket for EX, EXH, and EXHE series. Applicable only for width 185, 230, and 285mm bottom covers.
- Easy installation by inserting the nuts into built-in grooves on EX, EXH, and EXHE bottom cover.
- Rubber feet are included to hide the mounting cutouts when not used for wall mounting, and act as feet stabilizers for desktop use.

EF dimensions

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



Assembly Drawings



Components

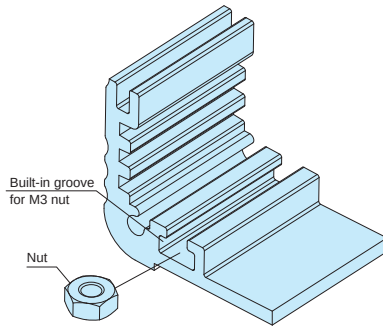
No.	Part name	Pcs	Material	Color / Finish
1	Bracket	2	Extruded aluminium A6063S-T5	Metallic silver / Painted • Black / Anodized
2	Screw	4	Steel	Black trivalent chromate
3	Nut	4	Steel	Black trivalent chromate
4	Rubber feet	4	Silicone	Black

Product no. / Dimensions

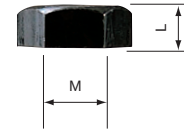
Product no.		L	Suitable models
● Metallic silver	● Black		
EF19-13S	EF19-13B	119.5	EX • EXH • EXHE19-□-13
EF19-18S	EF19-18B	171.5	EX • EXH • EXHE19-□-18
EF19-23S	EF19-23B	224.5	EX • EXH • EXHE19-□-23
EF19-29S	EF19-29B	279.5	EX • EXH • EXHE19-□-29
EF23-15S	EF23-15B	146.5	EX • EXH • EXHE23-□-15
EF23-21S	EF23-21B	206.5	EX • EXH • EXHE23-□-21
EF23-27S	EF23-27B	266.5	EX • EXH • EXHE23-□-27
EF23-33S	EF23-33B	326.5	EX • EXH • EXHE23-□-33
NEW EF29-23S	NEW EF29-23B	227.5	EX • EXH • EXHE29-□-23
NEW EF29-30S	NEW EF29-30B	297.5	EX • EXH • EXHE29-□-30
NEW EF29-38S	NEW EF29-38B	377.5	EX • EXH • EXHE29-□-38

MT-3N

SLIDING NUT for EX□ • EXH□



MT-3N dimensions



Product no. / Dimensions

Product no.	M	L	Material	Finish	Pack of
MT-3N	3	2.4	Steel	Black trivalent chromate	50

- Sliding nut can be used on all EXPT • EXP • EXPE • EXW • EXPF • EXEF • EXWF • EX models with width 140mm or larger bottom covers, as well as with width 230mm and 285mm top covers, on all EXH • EXHE • EXHF • EXHFE models with width 140mm or larger bottom covers, as well as all heat-sink top covers.

EXEG series

EMC SHIELDING FABRIC-OVER-FOAM GASKET

- Exclusive EMC shielding fabric-over-foam gasket for EXPE • EXEF • EXHE • EXHFE models.

Suitable Models

Product no.	Suitable models
EXEG-2.5	EXPE7-□, 9-□, 12-□, 15-□, EXEF7-□, 9-□, 11-□, 15-□ EXHE8-□, 11-□, 14-□, EXHFE8-□, 11-□, 14-□
EXEG-3.2	EXPE20-□, 24-□, 30-□, EXEF20-□, 24-□ EXHE19-□, 23-□, 29-□, EXHFE19-□, 23-□, 29-□

Product no. / Dimensions

Product no.	Dimensions	Pack of
EXEG-2.5	Φ2.5×500mm	1
EXEG-3.2	Φ3.2×500mm	1

Length tolerance = +/- 10%



- Material / Color : Conductive fiber • TPE / Metallic gray

EX series APPLICATION EXAMPLE

Tube Amplifier



IoT Relay Module



Premain Power Amplifier



USB Edge Node



TLW series

TILT LEG



APPLICATION EXAMPLE

- Double shot injection molded feet with soft and well-designed rounded shape.
- Non-slip design with Elastomer (TPE) pad.
- Available in 3 different color patterns (2 color patterns for TLW-70 models).
- TLW-70E models are exclusively for use with width 185mm or larger bottom covers of EXP • EXPE • EXW • EX • EXH • EXHE aluminium enclosures.

Technical Data

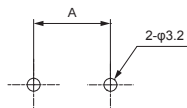
Max load : 7kg

Components

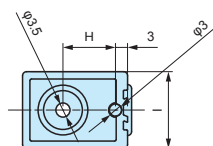
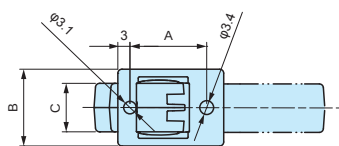
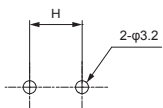
No.	Part name	Pcs	Material	Color / Finish
1	Front foot	2	PC + ABS UL94V-0 • TPE	Black & Black • Navy & Gray • Light gray & Gray
2	Rear foot	2	PC + ABS UL94V-0 • TPE	Black & Black • Navy & Gray • Light gray & Gray
-	Screw	4	Steel M3-8 pan head	Black trivalent chromate
-	Nut	4	Steel M3	Black trivalent chromate

TLW dimensions

Mounting hole (Front)

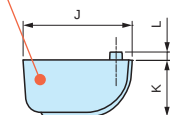
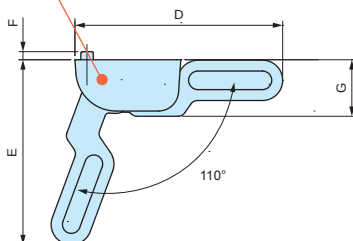


Mounting hole (Rear)



1

2

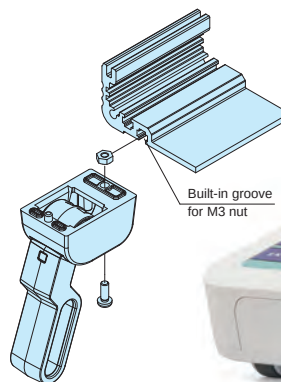


- DXF/DWG/PDF/STP drawings available on our website.

- TLW-70E□□ models are for installation (with M3 nut) into the built-in grooves on bottom-covers of EXP • EXPE 20-6, EXH • EXHE • EX 19-4 or larger models.

- Hole milling is required to install TLW-46□□ and TLW-70□□ models.

- Max installation panel thickness : t = 3.5mm



Built-in groove for M3 nut



Product no. / Dimensions

Product no.	A	B	C	D	E	F	G	H	I	J	K	L	Color (plastic)	Color (TPE)	Weight (g)
TLW-46BB	19	19	12	51.2	45.9	2	14	13	19	27	14	2	Black	Black	23
TLW46-NG	19	19	12	51.2	45.9	2	14	13	19	27	14	2	Navy	Gray	23
TLW-46LG	19	19	12	51.2	45.9	2	14	13	19	27	14	2	Light gray	Gray	23
TLW-70EBB	-	25	16	75.4	69	3	21.5	-	25	39	21.5	3	Black	Black	59
TLW-70ENG	-	25	16	75.4	69	3	21.5	-	25	39	21.5	3	Navy	Gray	59
TLW-70ELG	-	25	16	75.4	69	3	21.5	-	25	39	21.5	3	Light gray	Gray	59
TLW-70BB	30	25	16	75.4	69	2	21.5	20	25	39	21.5	2	Black	Black	59
TLW-70LG	30	25	16	75.4	69	2	21.5	20	25	39	21.5	2	Light gray	Gray	59

AFS•AFM series**ALUMINIUM ISOLATION FEET**

- The surface treatment and finish allows the feet to exhibit a polished and luxurious feel.
- Non-slip NBR O-ring is present on the underside of the feet.
- Suitable for use in audio devices.

Available in both internal and external screw installation type.

External type / Shot blast finish (AFS series)



The external type is secured via screws from the underside / base of the feet to the enclosure. A thread hole is required for direct securing, while a circular hole is required for lock nut securing.

The shot blast finish provides a high quality surface finish look, and pairing well with various types of enclosure surfaces.

Available in both silver and black.

Internal type / Reflective finish (AFM series)



The internal type is secured via screws from the inside of the enclosure. A circular hole is required for securing into the pre-made threads in the top-side of the feet.

The reflective surface finish adds a high quality touch to the unit, allow it to have a luxurious look.

Available only in Silver.

Accessories (Optional parts)

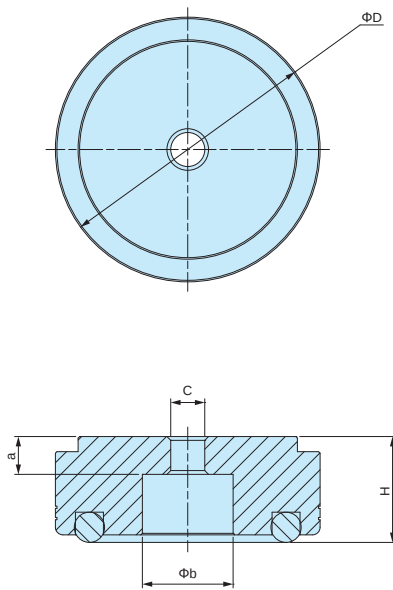
Product no. / Dimensions

Product no.		D	H	Installation type	C	a	b	Pack of
● Silver	● Black							
AFS20- 8S	AFS20- 8B	20	8	External	Φ3.4	3	9	4
AFS25-10S	AFS25-10B	25	10	External	Φ4.5	4	12	4
AFS30-12S	AFS30-12B	30	12	External	Φ4.5	5	12	4
AFS35-14S	AFS35-14B	35	14	External	Φ4.5	5	12	4
AFS39-16S	AFS39-16B	39	16	External	Φ4.5	5	15	4
AFS44-18S	AFS44-18B	44	18	External	Φ4.5	5	20	4
AFS55-20S	AFS55-20B	55	20	External	Φ5.5	5	20	4
AFM15- 7S	-	15	7	Internal	M3	4	-	4
AFM20- 9S	-	20	9	Internal	M3	5	-	4
AFM25-12S	-	25	12	Internal	M4	7	-	4
AFM30-14S	-	30	14	Internal	M4	8	-	4
AFM35-16S	-	35	16	Internal	M4	10	-	4
AFM39-18S	-	39	18	Internal	M4	10	-	4
AFM44-20S	-	44	20	Internal	M4	10	-	4
AFM55-22S	-	55	22	Internal	M5	15	-	4

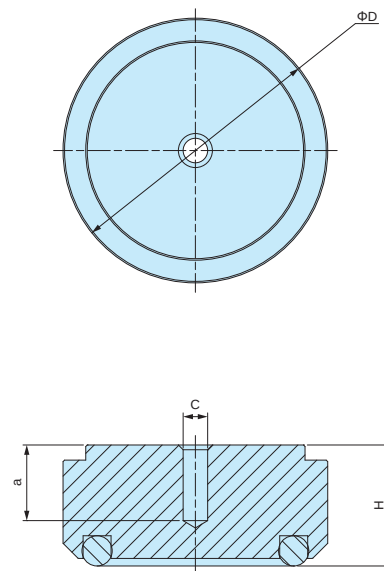
AFS • AFM dimensions

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

AFS SERIES



AFM SERIES



APPLICATION EXAMPLE

