



Technical Data
Protection class: IP40
Operating temperature: -10°C ~ +60°C



- New PF plastic case with wall mounting flange bottom design.
- Made of flame-resistant ABS UL94V-0 and available in off-white color.
- 24 different sizes available for selection.
- Equipped with built-in bosses for PCB mounting.
- Suitable for Wi-Fi access point, wireless LAN, HUB, controller or other applications.

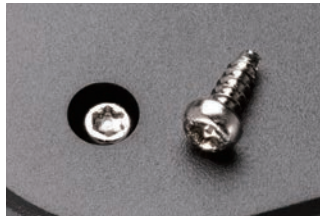
Components

No.	Part name	Pcs	Material	Color / Finish
1	Top cover	1	ABS UL94V-0	Off-white
2	Flanged base	1	ABS UL94V-0	Off-white
3	Panel	2	ABS UL94V-0	Off-white
4	Self tapping screw	4	Steel	Nickel plated

Accessories (Optional parts)



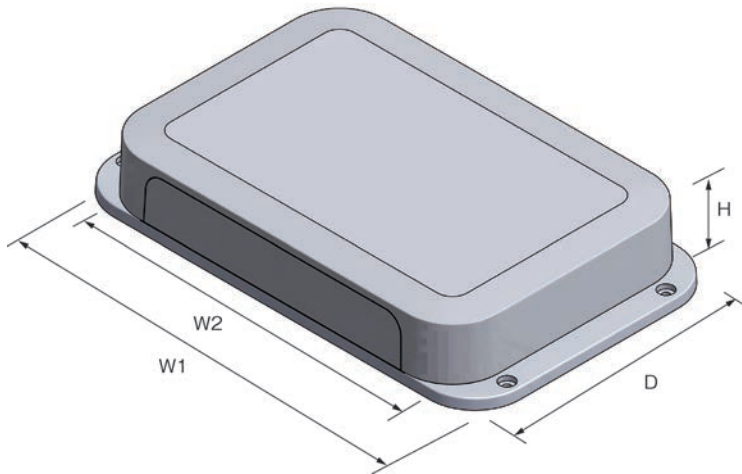
PCB mounting screw  
EM series  
See page 135



TORX screw  
MR series  
See page 135



Tapping standoff  
TPS series  
See page 133

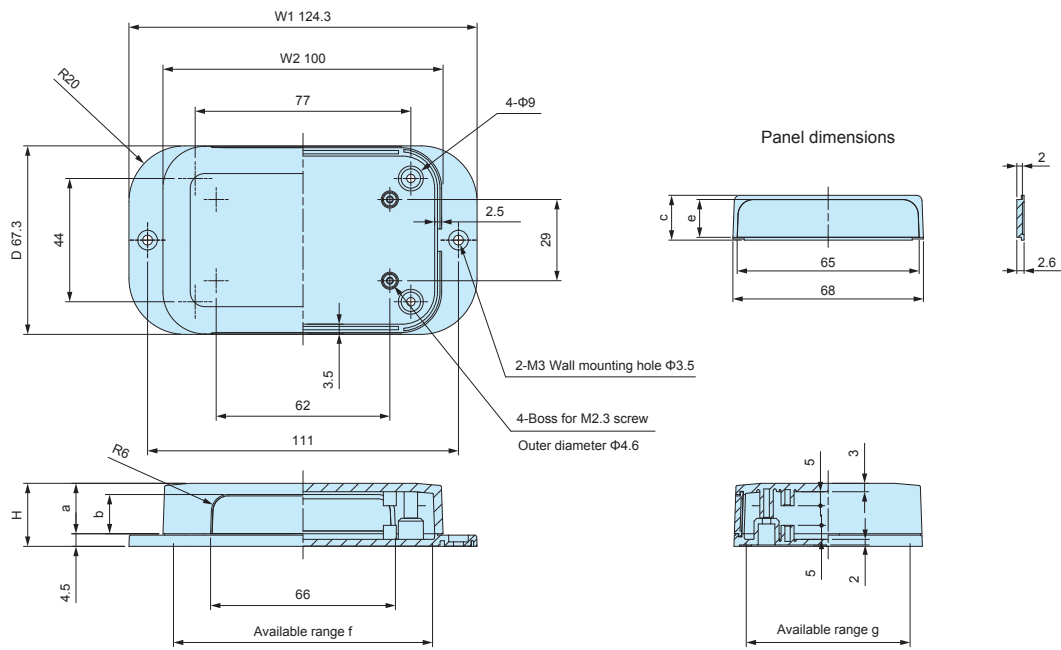


Product no. / Dimensions

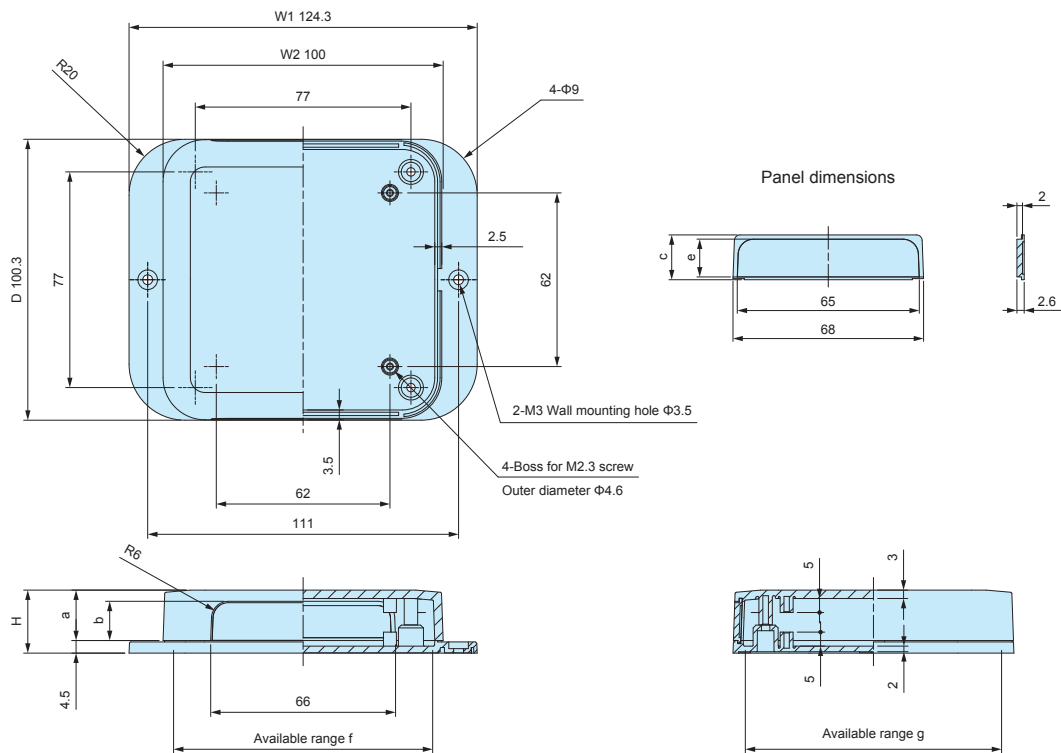
Product no. ● Off-white	Dimensions				Screw	Weight (g)
	W1	W2	H	D		
PFF10-2- 7W	124.3	100	22.5	67.3	M2.5-8 x 4 pcs	60.8
PFF10-2-10W	124.3	100	22.5	100.3	M2.5-8 x 4 pcs	84.6
PFF10-4- 7W	124.3	100	35	67.3	M2.5-8 x 4 pcs	72
PFF10-4-10W	124.3	100	35	100.3	M2.5-8 x 4 pcs	99.1
PFF13-3- 9W	149.3	125	25	85.3	M2.5-8 x 4 pcs	90.8
PFF13-3-13W	155.3	125	25	125.3	M2.5-8 x 4 pcs	128.6
PFF13-4- 9W	149.3	125	40	85.3	M2.5-8 x 4 pcs	108.4
PFF13-4-13W	155.3	125	40	125.3	M2.5-8 x 4 pcs	152.3
PFF15-3-10W	180.4	150	30	100.4	M2.5-8 x 4 pcs	145.2
PFF15-3-15W	180.4	150	30	150.4	M2.5-8 x 4 pcs	211.3
PFF15-5-10W	180.4	150	45	100.4	M2.5-8 x 4 pcs	168.6
PFF15-5-15W	180.4	150	45	150.4	M2.5-8 x 4 pcs	235
PFF18-4-12W	205.4	175	35	120.4	M2.5-8 x 4 pcs	192.1
PFF18-4-18W	205.4	175	35	175.4	M2.5-8 x 4 pcs	209.8
PFF18-5-12W	205.4	175	50	120.4	M2.5-8 x 4 pcs	215.8
PFF18-5-18W	205.4	175	50	175.4	M2.5-8 x 4 pcs	299.7
PFF20-4-13W	230.5	200	40	135.5	M3-8 x 4 pcs	267.7
PFF20-4-20W	230.5	200	40	200.5	M3-8 x 4 pcs	376
PFF20-6-13W	230.5	200	60	135.5	M3-8 x 4 pcs	309.7
PFF20-6-20W	230.5	200	60	200.5	M3-8 x 4 pcs	422.9
PFF24-4-17W	270.5	240	42.5	165.5	M3-8 x 4 pcs	366.9
PFF24-4-24W	270.5	240	42.5	240.5	M3-8 x 4 pcs	513.5
PFF24-6-17W	270.5	240	60	165.5	M3-8 x 4 pcs	403.8
PFF24-6-24W	270.5	240	60	240.5	M3-8 x 4 pcs	560.8

PFF dimensions

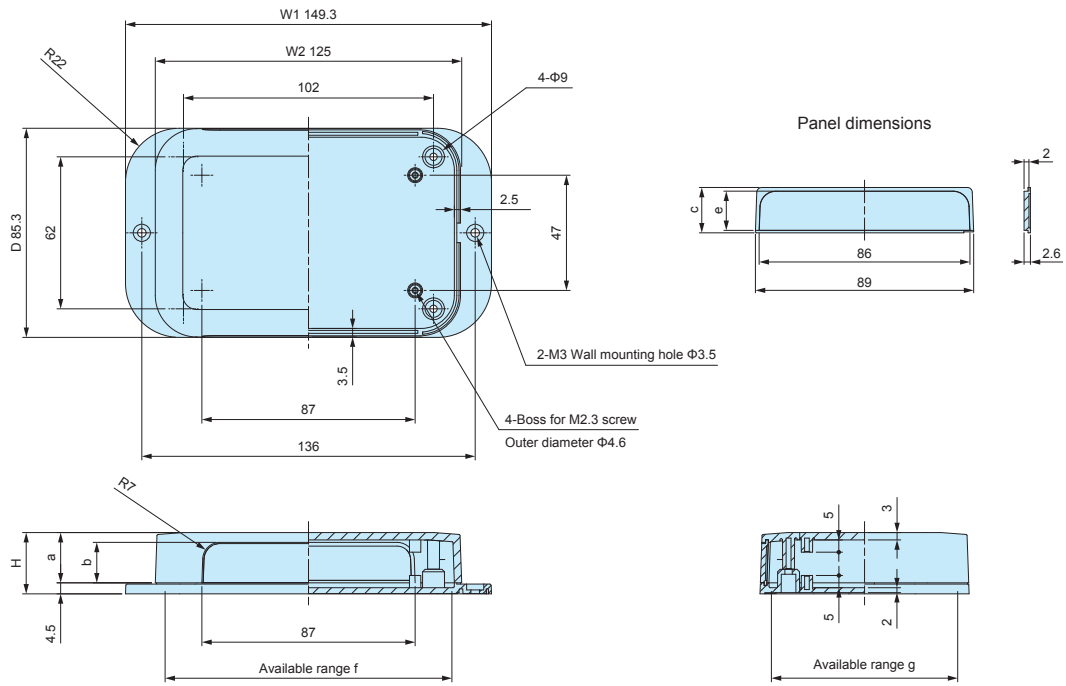
■ DXF/DWG/PDF drawings available on our website.



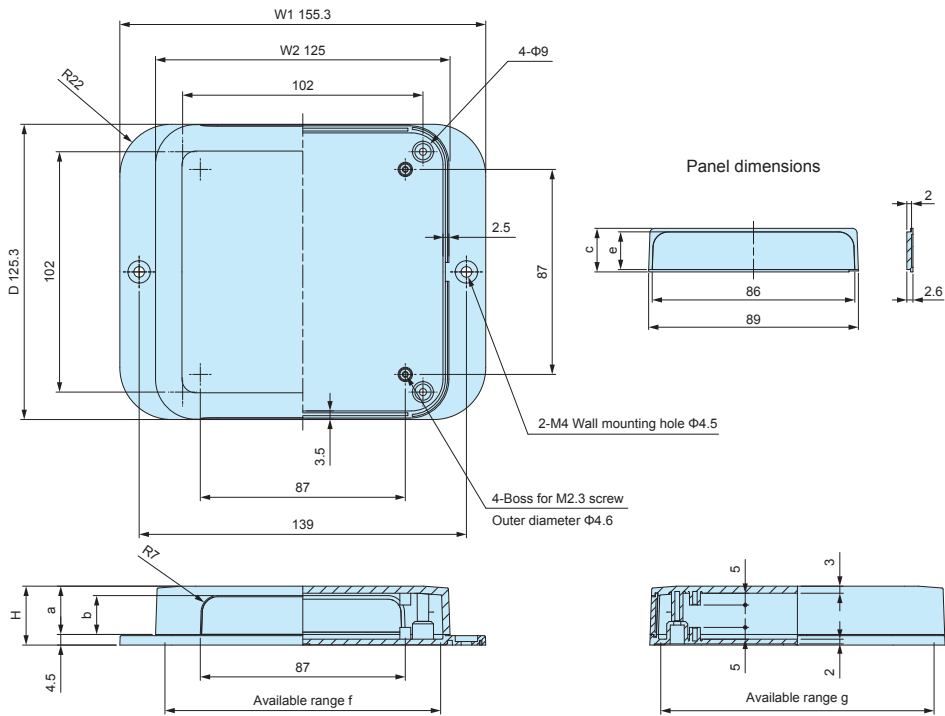
Product no.	W1	W2	H	D	a	b	c	e	f	g
PFF10-2-7W	124.3	100	22.5	67.3	18	14	16	13.5	92	58
PFF10-4-7W	124.3	100	35	67.3	30.5	26.5	28.5	26	91	57



Product no.	W1	W2	H	D	a	b	c	e	f	g
PFF10-2-10W	124.3	100	22.5	100.3	18	14	16	13.5	92	91
PFF10-4-10W	124.3	100	35	100.3	30.5	26.5	28.5	26	91	90



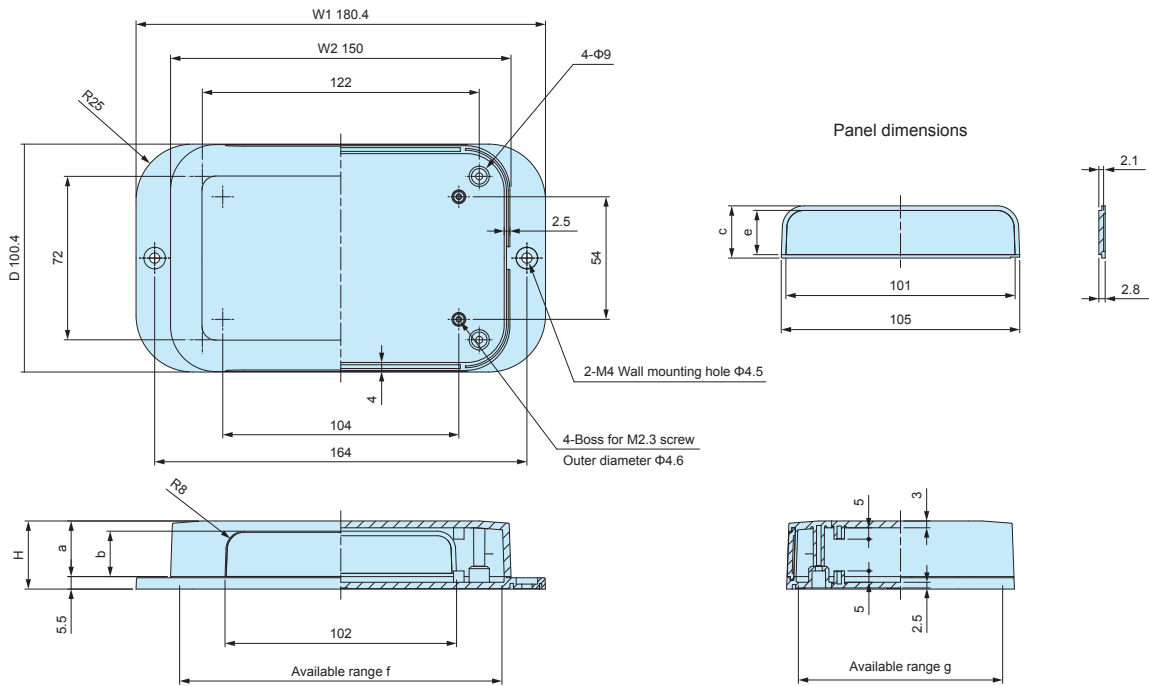
Product no.	W1	W2	H	D	a	b	c	e	f	g
PFF13-3-9W	149.3	125	25	85.3	20.5	16.5	18.5	16	117	76
PFF13-4-9W	149.3	125	40	85.3	35.5	31.5	33.5	31	116	75



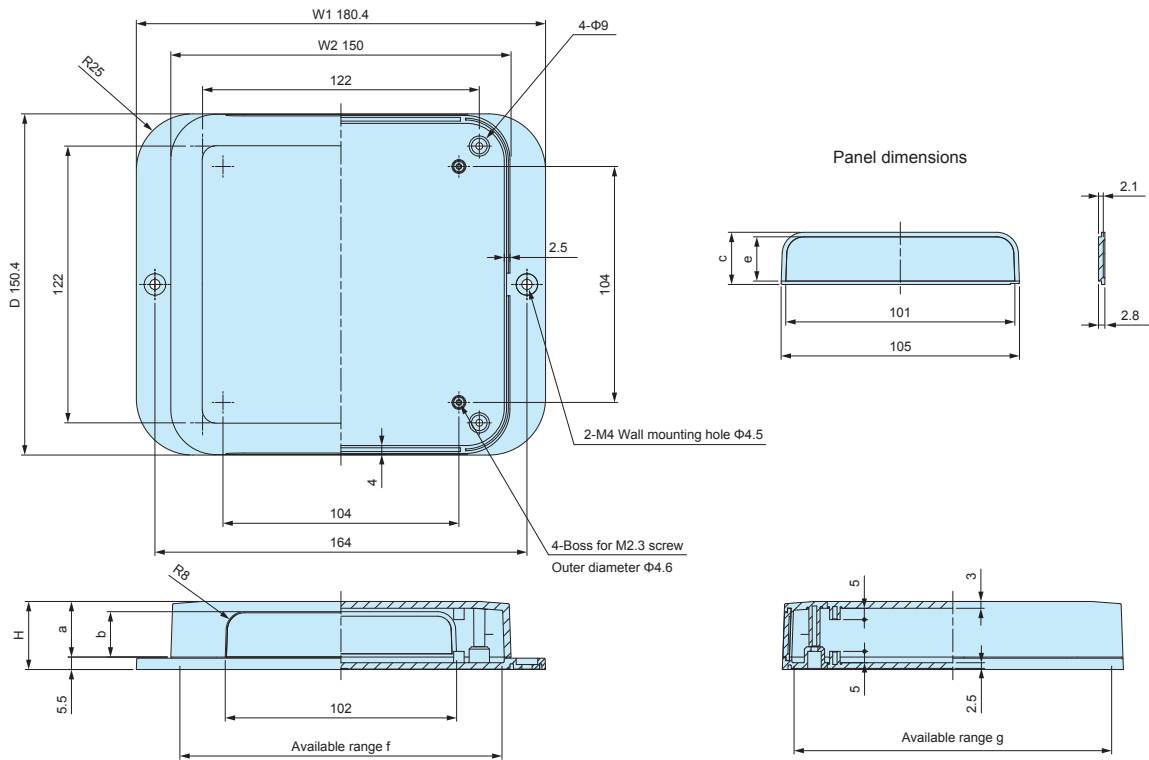
Product no.	W1	W2	H	D	a	b	c	e	f	g
PFF13-3-13W	155.3	125	25	125.3	20.5	16.5	18.5	16	117	116
PFF13-4-13W	155.3	125	40	125.3	35.5	31.5	33.5	31	116	115

PFF dimensions

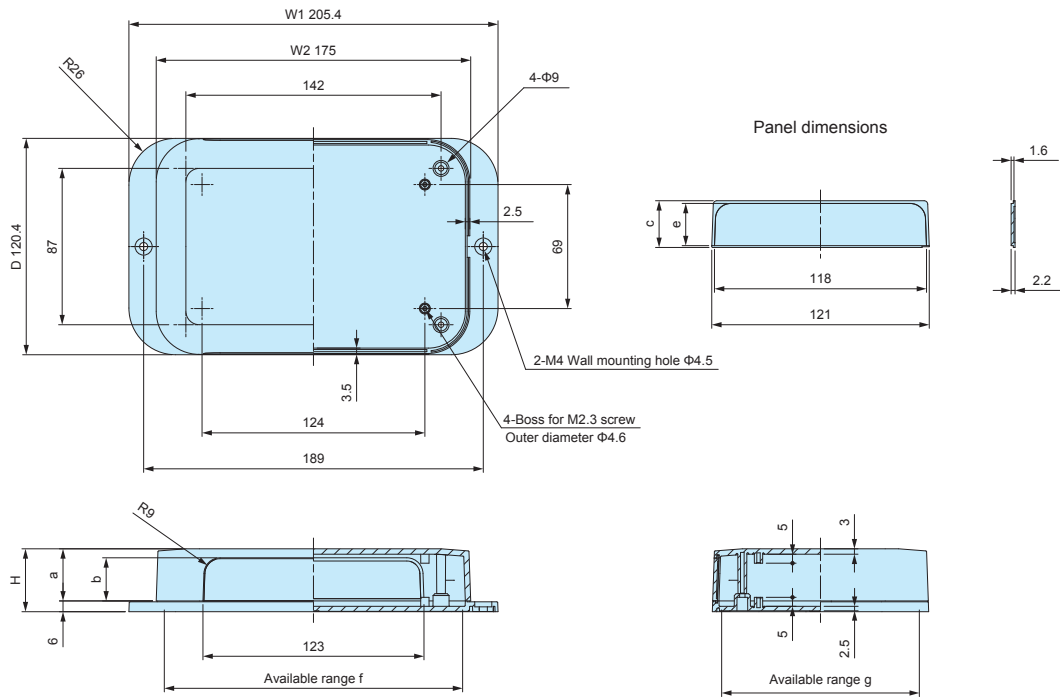
DXF/DWG/PDF drawings available on our website.



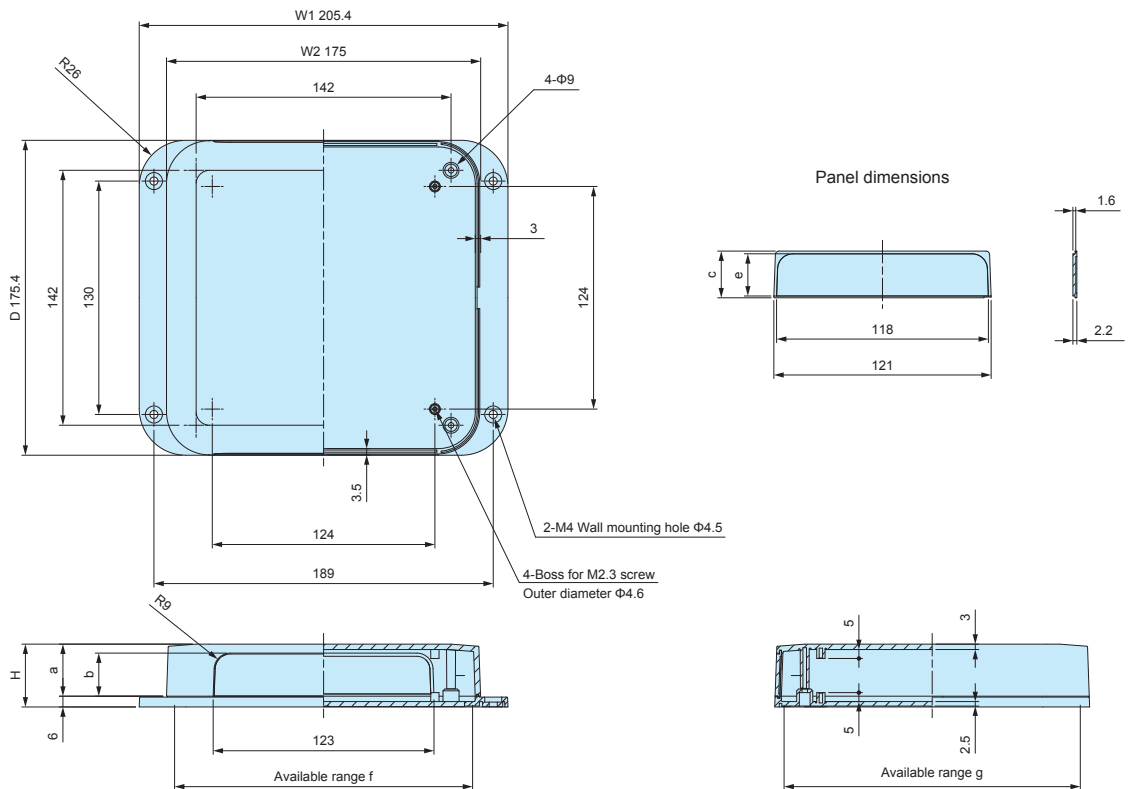
Product no.	W1	W2	H	D	a	b	c	e	f	g
PFF15-3-10W	180.4	150	30	100.4	24.5	20	23	19.5	142	90
PFF15-5-10W	180.4	150	45	100.4	39.5	35	38	34.5	141	89



Product no.	W1	W2	H	D	a	b	c	e	f	g
PFF15-3-15W	180.4	150	30	150.4	24.5	20	23	19.5	142	140
PFF15-5-15W	180.4	150	45	150.4	39.5	35	38	34.5	141	139



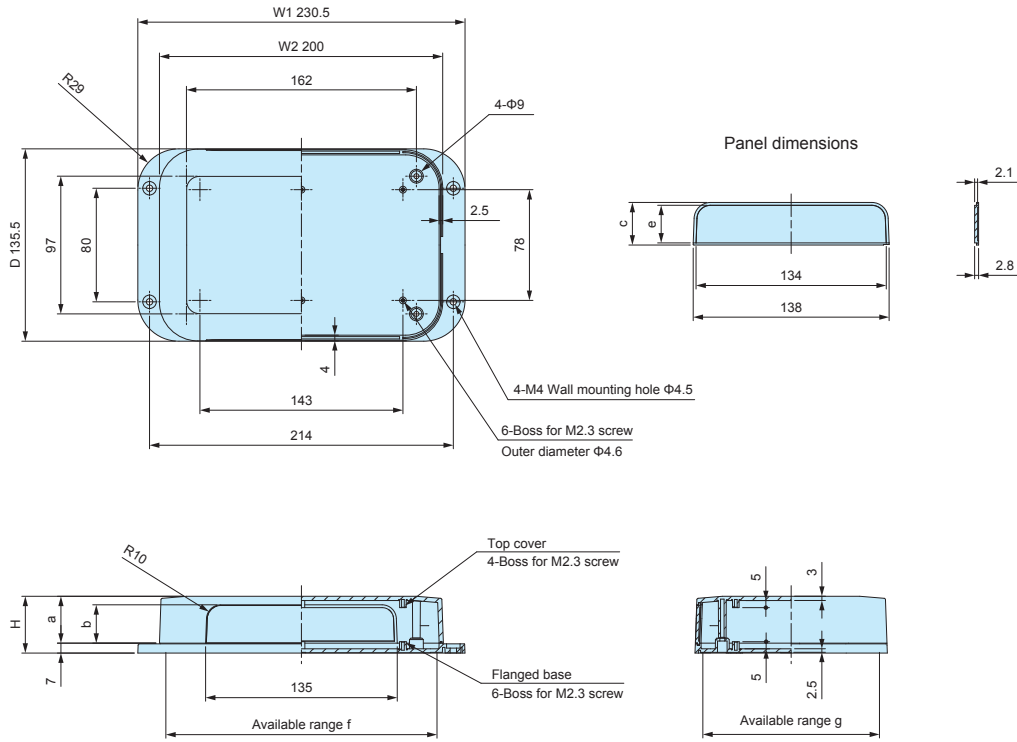
Product no.	W1	W2	H	D	a	b	c	e	f	g
PFF18-4-12W	205.4	175	35	120.4	29	24	26.5	23.5	166	110
PFF18-5-12W	205.4	175	50	120.4	44	39	41.5	38.5	165	109



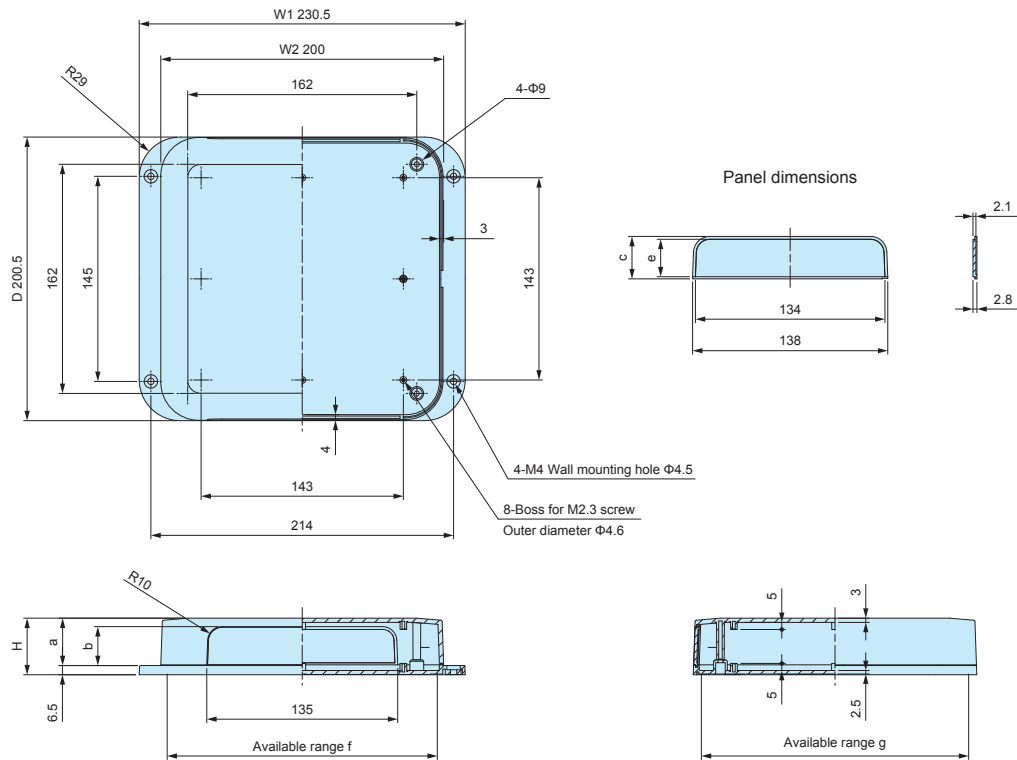
Product no.	W1	W2	H	D	a	b	c	e	f	g
PFF18-4-18W	205.4	175	35	175.4	29	24	26.5	23.5	166	165
PFF18-5-18W	205.4	175	50	175.4	44.5	39.5	41.5	38.5	165	109

PFF dimensions

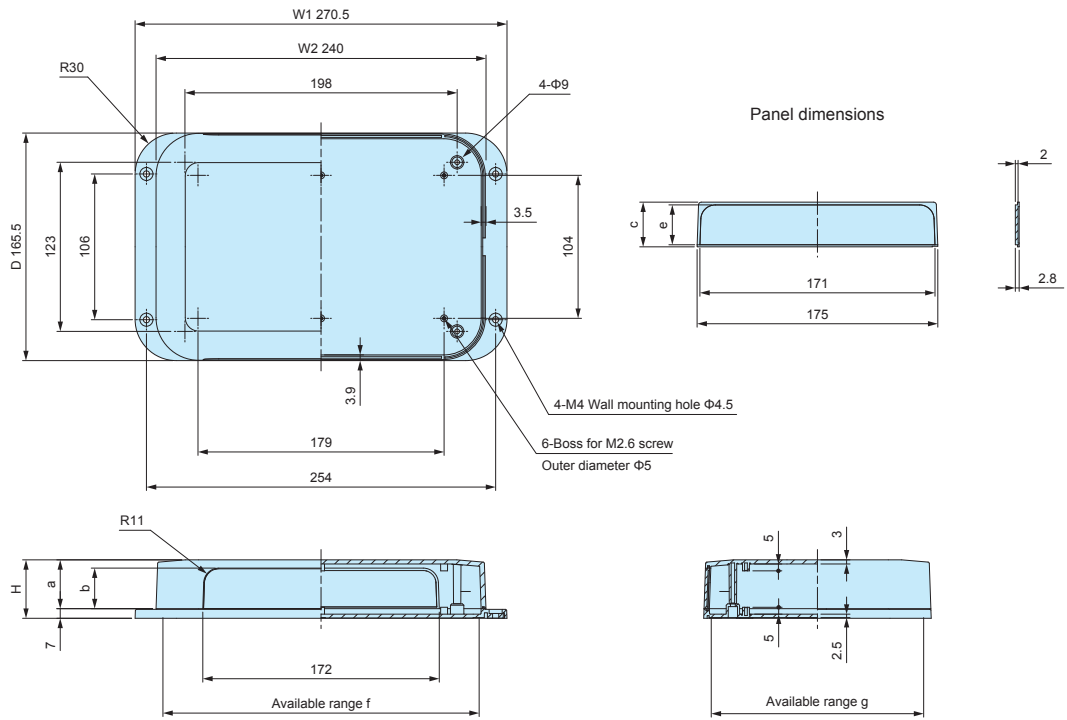
DXF/DWG/PDF drawings available on our website.



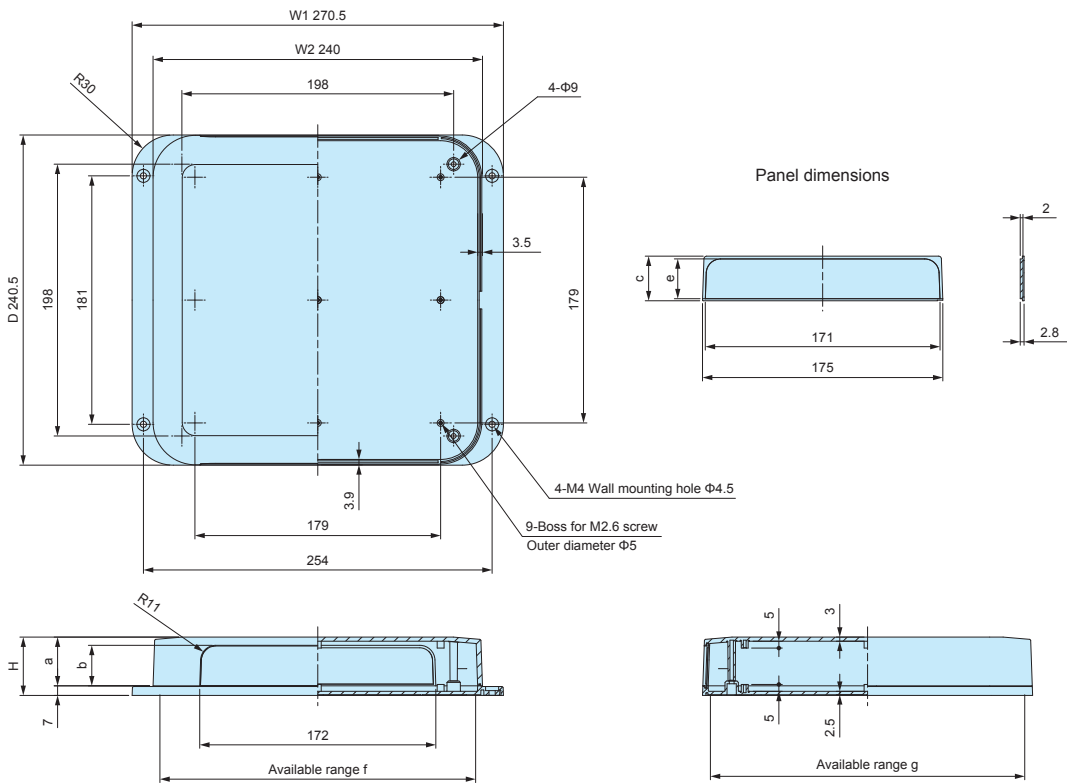
Product no.	W1	W2	H	D	a	b	c	e	f	g
PFF20-4-13W	230.5	200	40	135.5	33	27	30	26.5	191	124
PFF20-6-13W	230.5	200	60	135.5	53	47	50	46.5	190	123



Product no.	W1	W2	H	D	a	b	c	e	f	g
PFF20-4-20W	230.5	200	40	200.5	33	27	30	26.5	191	189
PFF20-6-20W	230.5	200	60	200.5	53	47	50	46.5	190	188



Product no.	W1	W2	H	D	a	b	c	e	f	g
PFF24-4-17W	270.5	240	42.5	165.5	35.5	29.5	32.5	29	230	154
PFF24-6-17W	270.5	240	60	165.5	53	47	50	46.5	229	153

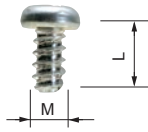


Product no.	W1	W2	H	D	a	b	c	e	f	g
PFF24-4-24W	270.5	240	42.5	240.5	35.5	29.5	32.5	29	230	229
PFF24-6-24W	270.5	240	60	240.5	53	47	50	46.5	229	228



EM SERIES

PCB MOUNTING SCREW



- Self-tapping screws for mounting PCB on bosses or standoffs.
- EM-3-6 self-tapping screws are suitable for mounting 1.6mm or thicker PCB.

Product no. / Dimensions

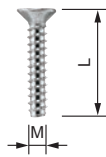
Product no.	M	L	Material	Finish	Suitable enclosures	Pack of
EM-1.6	1.6	4	Steel	Trivalent chromate	CSS • CS • PS • WC	50
EM-2	2	5	Steel	Trivalent chromate	TW • TWN • TWF • WP (M2 size)	50
EM-2.3	2.3	6	Steel	Trivalent chromate	LCT • LCS • LC • WH PF • PFF (M2.3 size) TW • TWN • TWF (M2.3 size) WP (M2.3 size)	50
<b>NEW</b> EM-2.6	2.6	6	Steel	Trivalent chromate	PF • PFF (M2.6 size)	50
EM-3	3	5	Steel	Trivalent chromate	TW • TWN • TWF (M3 size) • SU	50
EM-3-6	3	6	Steel	Trivalent chromate		50

MR SERIES

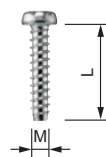
TORX SCREW



Countersunk head



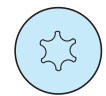
Pan head



With pin



★ Without pin



★ : MR2.6-10□, MR3-14□, and MR1.6-6S are without pin.

Product no. / Dimensions

★Mark = Without pin

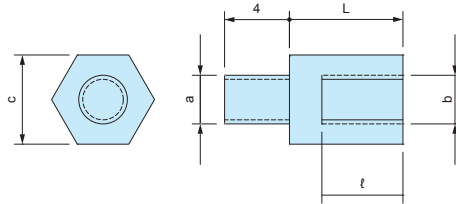
Product no.	M	L	head no.	Head style	Material	Finish	Suitable enclosures	Pack of
MR1.6-6S★	1.6	6	T3	Pan	Steel	Nickel plated	CS • CSS	20
MR2.5-8PS	2.5	8	T8	Pan	Steel	Nickel plated	PF • PFF (M2.5 size)	20
MR2.6-10S★	2.6	10	T8	Countersunk	Steel	Nickel plated	TW5-2-5 / 5-3-5	20
MR2.6-10B★	2.6	10	T8	Countersunk	Steel	Black trivalent chromate	TW • TWN4-2-5 / 4-2-6 / 4-2-8 / 5-2-7 TW • TWN5-3-7 / 5-4-7 / 8-2-8 / 8-4-8 TWF5-2-7 / 5-3-7 / 5-4-7	20
MR2.6-12PS	2.6	12	T8	Pan	Steel	Nickel plated	LCT • LCS • LC115-F2 / F3 LCT • LCS • LC145S-F6	20
MR2.6-14PS	2.6	14	T8	Pan	Steel	Nickel plated	LCT • LCS • LC115H-F2 / F3 / M2 / 9V LCT • LCS • LC135-F4 / M2 / M3 / 9V LCT • LCS • LC135H-F4 / M2 / M3 / 9V LCT • LCS • LC145-F6 / M2 / M4 LCT • LCS • LC145H-F6 / M2 / M4 LCT • LCS • LC165-M4 LCT • LCS • LC165H-M4	20
MR2.6-14S	2.6	14	T8	Countersunk	Steel	Nickel plated	LCT • LCS • LC115-F2 / F3 LCT • LCS • LC145S-F6 TW • TWN7-2-11 / 7-4-11 / 7-5-11	20
MR2.6-18S	2.6	18	T8	Countersunk	Steel	Nickel plated	LCT • LCS • LC115H-N / F2 / F3 / M2 / 9V LCT • LCS • LC135-N / F4 / M2 / M3 / 9V LCT • LCS • LC135H-N / F4 / M2 / M3 / 9V LCT • LCS • LC145-N / F6 / M2 / M4 LCT • LCS • LC145H-N / F6 / M2 / M4 LCT • LCS • LC165-N / M4 LCT • LCS • LC165H-N / M4	20
MR3-8PS	3	8	T10	Pan	Steel	Nickel plated	PF • PFF (M3 size)	20
MR3-14S★	3	14	T10	Countersunk	Steel	Nickel plated	TW5-3-10	20
MR3-14B★	3	14	T10	Countersunk	Steel	Black trivalent chromate	TW • TWN5-3-9 / 7-3-13 / 7-5-13 / 9-4-17 / 9-6-17 TWF7-3-13 / 7-5-13 / 9-4-17 / 9-6-17	20
MR-1S	3	5	T10	Countersunk	Steel	Nickel plated	UC	20
MR-1B	3	5	T10	Countersunk	Steel	Black trivalent chromate	UC • UCY • US	20
MR-2S	3	10	T10	Countersunk	Steel	Nickel plated	HEN	20

TPS SERIES

TAPPING STANDOFF



- Tapping screw head allows for easy installation onto existing enclosure boss mount.
- 4 different sizes available: M2, M2.3, M2.6 and M3 size.



Product no. / Dimensions

■ Material / Finish: Brass / Unfinished

Product no.	Screw size (a)	Screw size (b)	c	L	φ	Pack of	Recommended enclosure models	
TPS-M2.3-4	M2.3	M2.3	5	4	3	4	WH series • WP series (M2.3 only) LC • LCS • LCT series PF10-2-7 / 10-2-10 / 10-2-15 / 10-4-7 / 10-4-10 / 10-4-15 10-6-15 / 13-3-9 / 13-3-13 / 13-3-19 / 13-4-9 / 13-4-13 13-4-19 / 13-6-19 / 15-3-10 / 15-5-10 / 15-3-15 15-5-15 / 18-4-12 / 18-4-18 / 18-5-12 / 18-5-18 20-4-13 / 20-6-13 / 20-4-20 / 20-6-20 TW • TWN • TWF5-3-9 / 7-2-11 / 7-4-11 / 7-5-11 TW5-3-10 • TW • TWN • TWF8-2-8 / 8-4-8	
TPS-M2.3-5	M2.3	M2.3	5	5	3	4		
TPS-M2.3-6	M2.3	M2.3	5	6	4	4		
TPS-M2.3-7	M2.3	M2.3	5	7	5	4		
TPS-M2.3-8	M2.3	M2.3	5	8	6	4		
TPS-M2.3-10	M2.3	M2.3	5	10	6	4		
TPS-M2.3-12	M2.3	M2.3	5	12	6	4		
TPS-M2.6-4	M2.6	M2.6	5	4	3	4		
TPS-M2.6-5	M2.6	M2.6	5	5	3	4		
TPS-M2.6-7	M2.6	M2.6	5	7	5	4		
TPS-M2.6-10	M2.6	M2.6	5	10	6	4	PF24-4-17 / 24-4-24 / 24-6-17 / 24-6-24	
TPS-M2.6-12	M2.6	M2.6	5	12	6	4		
TPS-M3-4	M3	M3	5.5	4	3	4		
TPS-M3-5	M3	M3	5.5	5	3	4	TW • TWN • TWF7-3-13 / 7-5-13 / 9-4-17 / 9-6-17 / 11-5-22 11-8-22 / 13-3-13 / 13-5-13 / 13-3-18 / 13-5-18 / 13-7-18	
TPS-M3-6	M3	M3	5.5	6	4	4		
TPS-M3-7	M3	M3	5.5	7	5	4		
TPS-M3-8	M3	M3	5.5	8	5	4		
TPS-M3-10	M3	M3	5.5	10	6	4		
TPS-M3-12	M3	M3	5.5	12	6	4		
								SU series • OP series • PW series

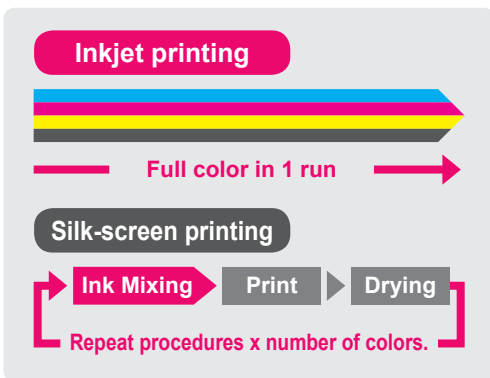


- Please use a suitably sized driver to both secure and loosen the tapping standoff.

# INKJET PRINTING



Full color digitally designed image can be printed in 1 run.  
No cost difference regardless of the number of colors used.



**Low printing cost**  
Full color print possible in small quantities

**Inkjet printing** 1 run only for full color print

Printing cost Full color

**Silk-screen printing** Printing cost x number of colors

Printing cost Color 1	Printing cost Color 2	Printing cost Color 3	Printing cost Color 4
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# High quality printing of photo image and color gradation.

Print photo images in maximum 1,800 x 1,800 dpi quality.

Pictures, logos and unique designs with color gradation can be recreated in a high quality print.



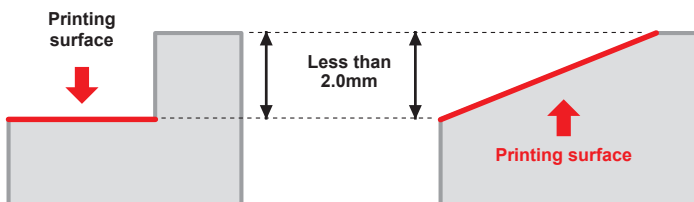
## Maximum printable enclosure size



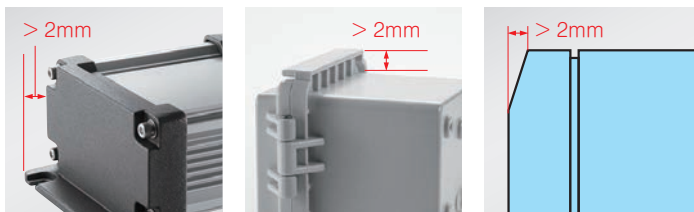
## Printable on surfaces with height differential

Printing is possible on recessed, sloped and rounded sections.

Gap difference is less than 2.0mm.



\*Not suitable if height difference is more than 2.0mm.



Printed example





# CNC MACHINING

CNC milling is a form of computer controlled machining. Similar in operation to drilling and cutting, it is able to create various hole styles and shapes by using a rotating cutting tool to bore into the object.



- Mainly used for plastic, aluminium die-cast, and aluminium extrusion material types.
- Able to perform milling for various shapes and sizes.
- Recommended for small quantity customization.

