AWN SERIES

AWN IP67 HEATSINK ALUMINIUM ENCLOSURE

■Technical data■

IP67

Operating temperature -40℃~+105℃

Maximum torque 1.0N · m (10kgf · cm)

FEATURE

- Functional aluminium enclosure with IP67 and heat release effect. Normal and EMI-Shielded version are available.
- Heavy-duty enclosure, the extrusion body with heat-sink and the die-casted panels.
- PCB or chassis are horizontally mountable by sliding into grooved inner body frame.
- Designed for a tough environment such as required heavy duty, high waterproofing, and countermeasures against heat, so suitable for a measuring instrument, industrial control box, industrial camera housing, and so on.

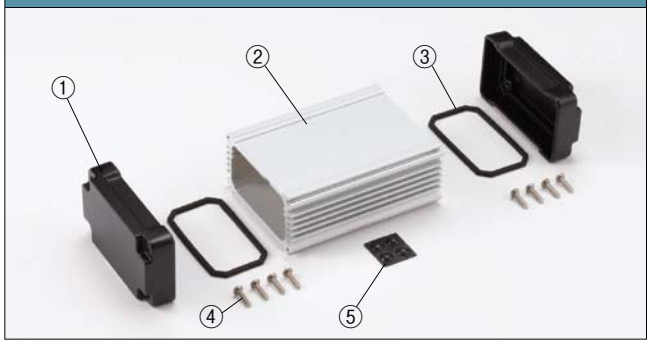
N type Components

Ref. #	Part name	Pcs	Material	Color / Finish
1	End panel	2	Die-cast aluminium	Metallic gray · Black / Powder coated
2	Body frame	1	Aluminium extrusion	Silver · Black / Anodized
3	Gasket	2	Silicone	Black
4	Screw	8	Stainless steel	Unfinished
5	Rubber feet	4	Polyurethane	Black

E type Components

Ref. #	Part name	Pcs	Material	Color / Finish
1	End panel	2	Die-cast aluminium	Silver · Black / Painted (Inside unfinished)
2	Body frame	1	Aluminium extrusion	Silver · Black / Anodized
3	Shielded gasket	2	Conductive silicone	Black
4	Screw	8	Stainless steel	Unfinished
5	Rubber feet	4	Polyurethane	Black

Normal - N type



EMI Shielded - E type

The inside of end panels are unpainted for EMI shielding.

Accessories (Optional Parts)

Mounting Plate
AWC Series

See page AWC

Hexagon Socket Head Screw
HCS Series

See page AWC

Cable Gland
MKG Series

See page MKG · EKG

Silicone Protector
AWSP Series

See page AWN-5

Normal / Shielded · Color Code

Normal - N Type

		
Metallic Gray / Silver	Black / Silver	Black / Black
N G S	N B S	N B B

Shielded - E Type

		
Silver / Silver	Black / Silver	Black / Black
E S S	E B S	E B B

※Thermal resistance test condition
- Ambient air cooling
- Heat-sink fins are vertically set to the ground at 60 degrees C
- Anodized aluminium extrusion
- Put a heat source on all the inner side surface of heat-sink fins

• See page AWN-3 and AWN-4 for the dimensions

Part no. / Dimensions

• Please suffix code of Normal or Shielded and Color code for □□□ when ordering.

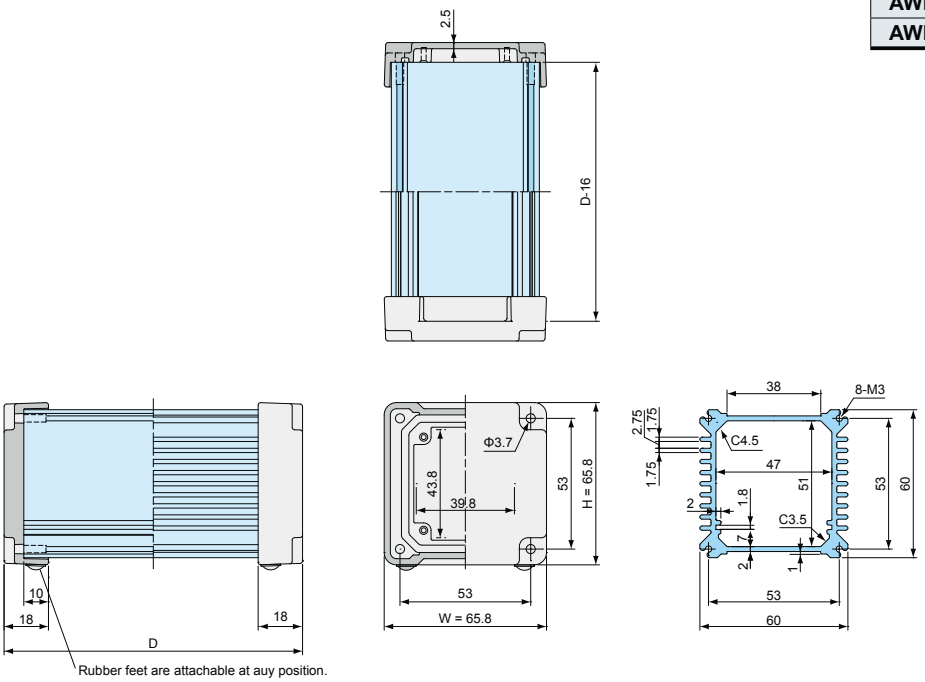
Part no.	W	H	D	※ Thermal resistance rate (˚C/W)
AWN 7−7− 8□□□	65.8	65.8	80	4.41
AWN 7−7−11□□□	65.8	65.8	110	3.5
AWN 7−7−15□□□	65.8	65.8	150	2.83
AWN 7−7−20□□□	65.8	65.8	200	2.33
AWN 7−7−25□□□	65.8	65.8	250	2.02
AWN 8−5− 9□□□	80.8	45.8	90	5.97
AWN 8−5−12□□□	80.8	45.8	115	5.01
AWN 8−5−14□□□	80.8	45.8	140	4.37
AWN 8−5−18□□□	80.8	45.8	175	3.76
AWN 9−9−10□□□	86.3	86.3	100	3.1
AWN 9−9−13□□□	86.3	86.3	125	2.63
AWN 9−9−17□□□	86.3	86.3	170	2.12
AWN 9−9−22□□□	86.3	86.3	220	1.79
AWN 9−9−28□□□	86.3	86.3	275	1.54
AWN11−6−11□□□	106.3	56.3	110	4.52
AWN11−6−15□□□	106.3	56.3	150	3.62
AWN11−6−19□□□	106.3	56.3	190	3.08
AWN11−6−24□□□	106.3	56.3	240	2.64
AWN16−9−14□□□	156.3	81.3	135	2.64
AWN16−9−18□□□	156.3	81.3	175	2.2
AWN16−9−23□□□	156.3	81.3	225	1.86
AWN16−9−28□□□	156.3	81.3	275	1.63

AWN Dimensions

● CAD data is downloadable from our web.

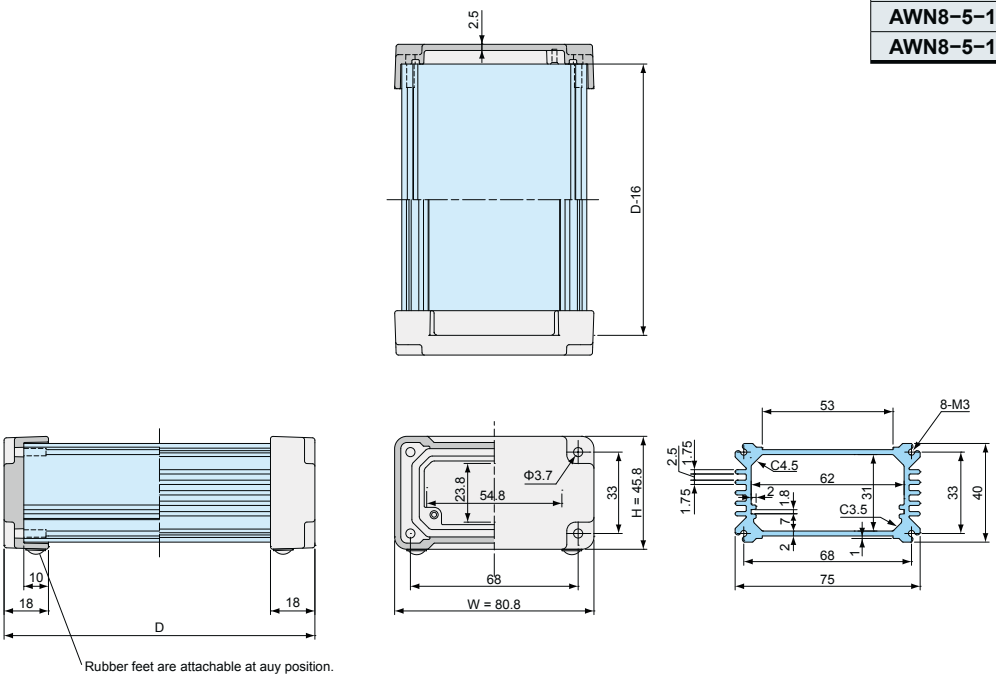
Part no.	W	H	D
AWN7−7− 8□□□	65.8	65.8	80
AWN7−7−11□□□	65.8	65.8	110
AWN7−7−15□□□	65.8	65.8	150
AWN7−7−20□□□	65.8	65.8	200
AWN7−7−25□□□	65.8	65.8	250

AWN7−7 drawing



Part no.	W	H	D
AWN8−5− 9□□□	80.8	45.8	90
AWN8−5−12□□□	80.8	45.8	115
AWN8−5−14□□□	80.8	45.8	140
AWN8−5−18□□□	80.8	45.8	175

AWN8−5 drawing

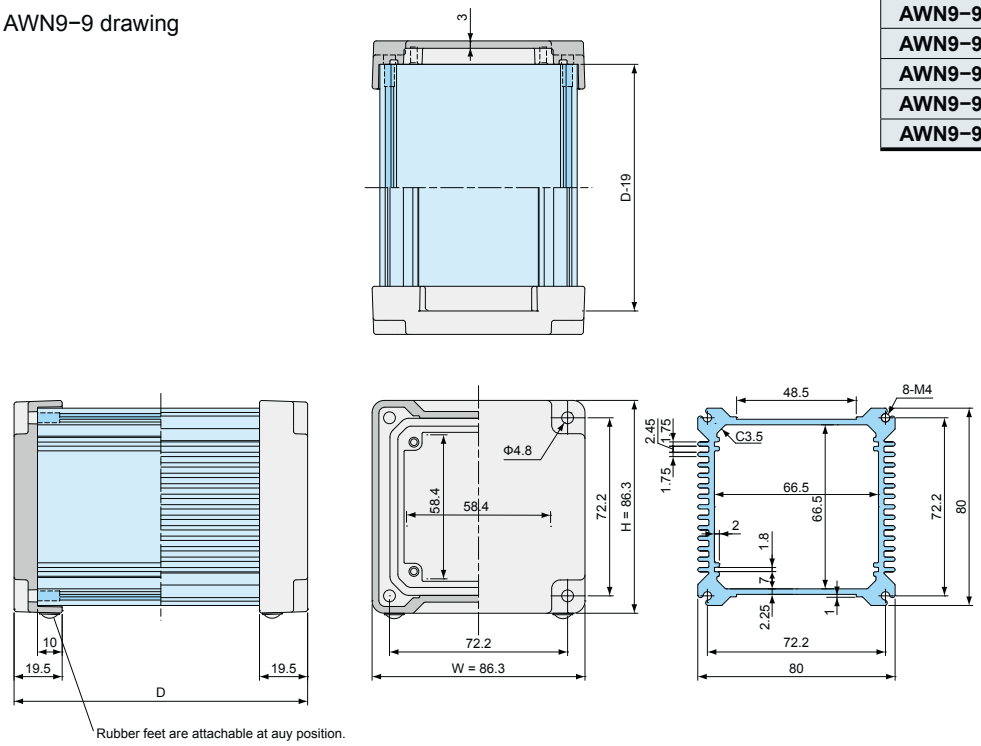


AWN Dimensions

● CAD data is downloadable from our web.

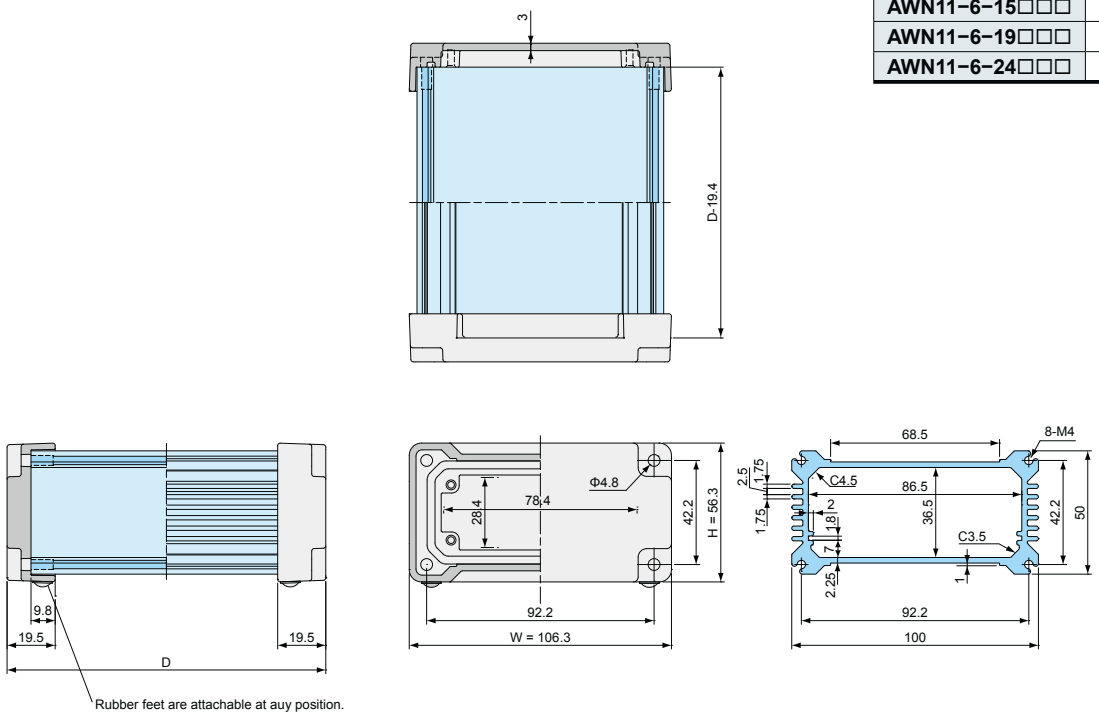
Part no.	W	H	D
AWN9−9−10□□□	86.3	86.3	100
AWN9−9−13□□□	86.3	86.3	125
AWN9−9−17□□□	86.3	86.3	170
AWN9−9−22□□□	86.3	86.3	220
AWN9−9−28□□□	86.3	86.3	275

AWN9−9 drawing



Part no.	W	H	D
AWN11−6−11□□□	106.3	56.3	110
AWN11−6−15□□□	106.3	56.3	150
AWN11−6−19□□□	106.3	56.3	190
AWN11−6−24□□□	106.3	56.3	240

AWN11−16 drawing



AWN Dimensions

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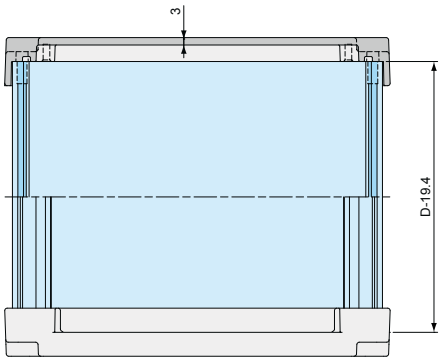
AWN16−9 drawing



Part no.	W	H	D
AWN16−9−14□□□	156.3	81.3	135
AWN16−9−18□□□	156.3	81.3	175
AWN16−9−23□□□	156.3	81.3	225
AWN16−9−28□□□	156.3	81.3	275