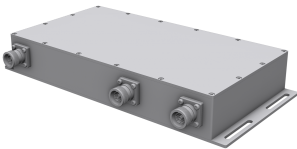
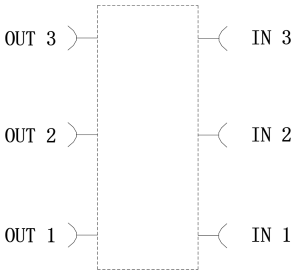


3x3 Hybrid Combiner

BX-HC-33-43F  
380–3800 MHz | 4.3-10 Female | IP65



3D View



Block Diagram

Electrical Specifications

|                                          |                                    |                          |
|------------------------------------------|------------------------------------|--------------------------|
| Frequency range                          | 380–3800 MHz                       |                          |
| Configuration                            | 3 inputs × 3 outputs               |                          |
| Insertion loss (incl. hybrid loss)       | ≤ 6.0 dB                           | 380–3800 MHz             |
| Isolation (port-to-port)                 | ≥ 28 dB (typ. 30 dB)               | 380–3800 MHz             |
| VSWR                                     | ≤ 1.25 (typ. 1.20)                 | 380–3800 MHz             |
| Return loss (all ports)                  | ≥ 19 dB (typ. 21 dB)               | 380–3800 MHz             |
| PIM (IM3), 3rd order @ 900 MHz, 2 × 20 W | ≤ -160 dBc (typ. -163 dBc)         |                          |
| Impedance                                | 50 Ω                               |                          |
| DC/AISG                                  | Port 1 ↔ 6, Port 2 ↔ 4, Port 3 ↔ 5 | Max 6.5 A, AISG2 conform |
| Total input power                        | 400 W average                      |                          |

Mechanical Specifications

|                        |                   |                          |
|------------------------|-------------------|--------------------------|
| Connectors             | 4.3-10 Female     | IEC 61169-54             |
| Dimensions (L × W × H) | 330 × 160 × 50 mm | Excl. connectors         |
| Weight                 | 3.5 kg            |                          |
| Color                  | Grey              |                          |
| Mounting               | Wall / Mast       | Brackets sold separately |

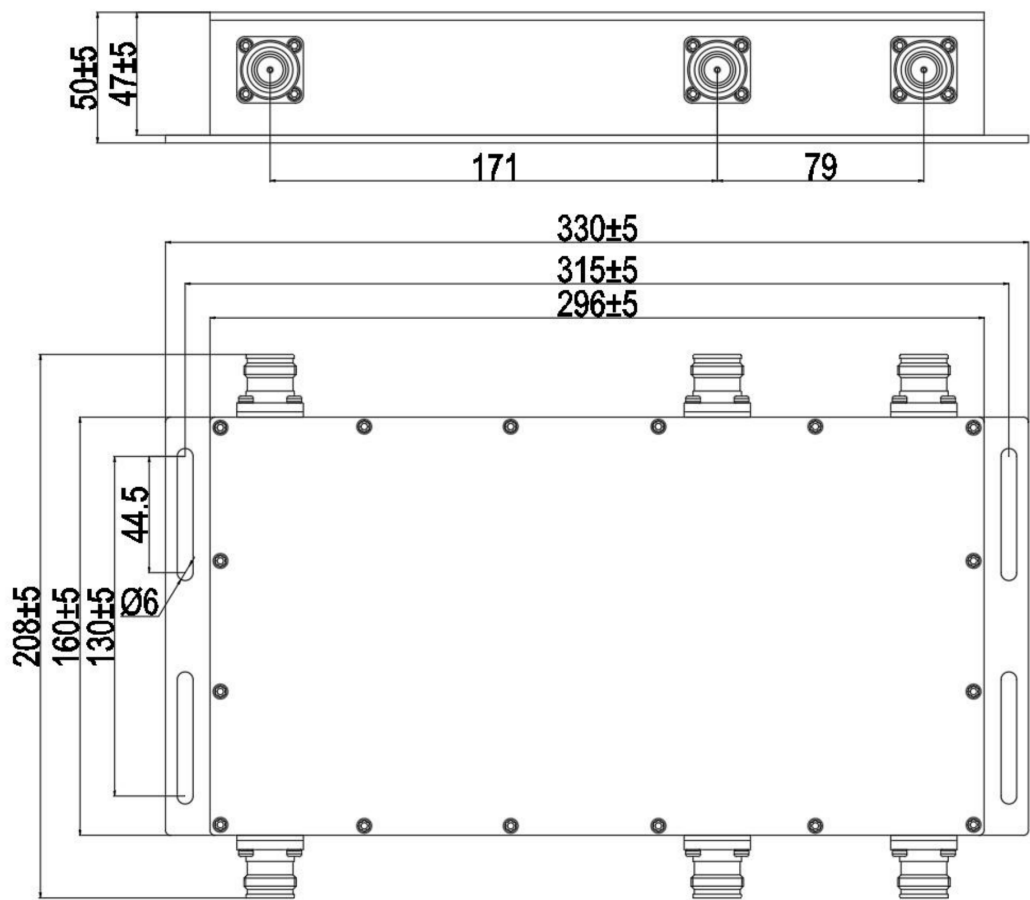
Environmental Conditions

|                       |                  |                |
|-----------------------|------------------|----------------|
| Degree of protection  | IP65             | Indoor/outdoor |
| Operating temperature | -35 °C to +75 °C |                |
| Relative humidity     | 5% – 95%         | Non-condensing |

All specifications are guaranteed minimums per ST 625.10 (DAS passive components) under stated test conditions, unless otherwise noted.

Mechanical Drawing

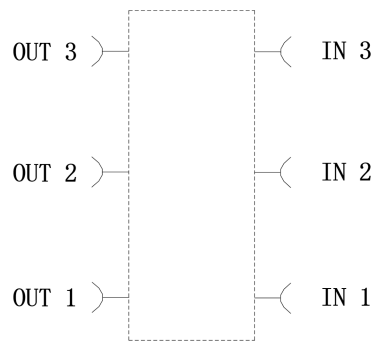
All dimensions in mm. Tolerances: ±2 mm unless otherwise stated.



Standard: 4.3-10 female (50 Ω): IEC 61169-54

modifications reserved!

Block Diagram



Ordering Information

| Part number  | Description                       | Connectors                | Mounting                 |
|--------------|-----------------------------------|---------------------------|--------------------------|
| BX-HC-33-43F | 3×3 Hybrid Combiner, 380–3800 MHz | 4.3-10 Female (all ports) | Brackets sold separately |

| Accessories   | Description                              |
|---------------|------------------------------------------|
| BX-TL-050-43M | Termination Load 50 W (for unused ports) |

Specifications subject to change without notice. All values are guaranteed minimums unless stated otherwise. BDC products are designed, specified, and validated by Bandercom Oy — a DAS/IBS contractor with 15+ years of field experience. Contact: info@bander.com | www.bander.com