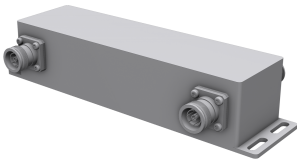
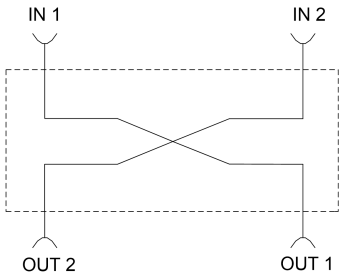


2x2 Hybrid Combiner

BX-HC-22-43F
380–3800 MHz | 4.3-10 Female | IP65



3D View



Block Diagram

Electrical Specifications

Frequency range	380–3800 MHz	
Configuration	2 inputs × 2 outputs	
Insertion loss (incl. hybrid loss)	≤ 4.0 dB	380–3800 MHz
Isolation (port-to-port)	≥ 30 dB (typ. 32 dB)	380–3800 MHz
VSWR	≤ 1.20 (typ. 1.15)	380–3800 MHz
Return loss (all ports)	≥ 21 dB (typ. 23 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 → Port 3, Port 2 → Port 4	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)	240 × 59.5 × 46.5 mm	Excl. connectors
Weight	1.25 kg	
Color	Grey	
Mounting	Wall / Mast	Brackets sold separately

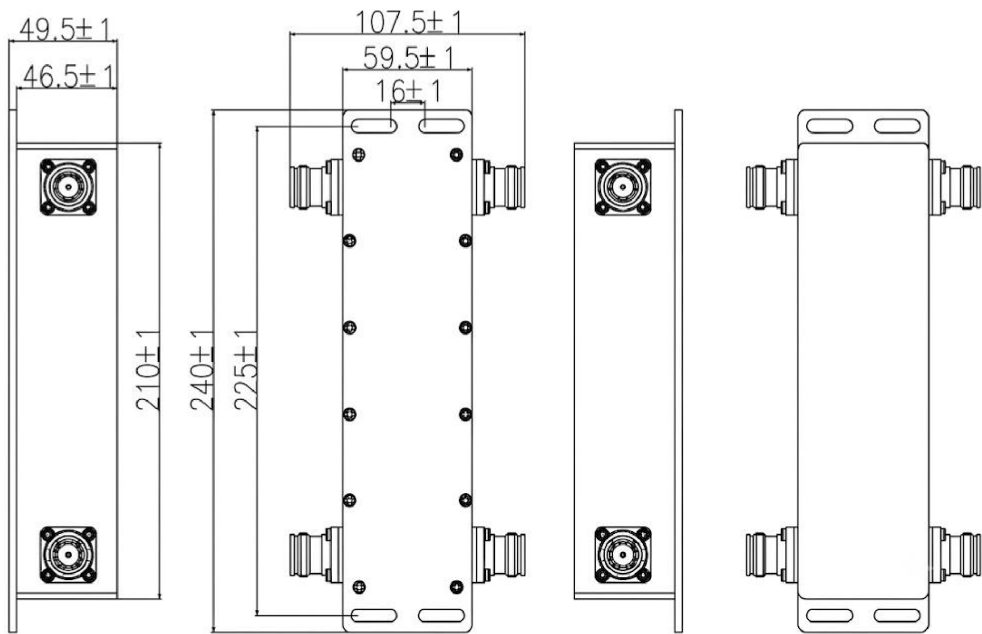
Environmental Conditions

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

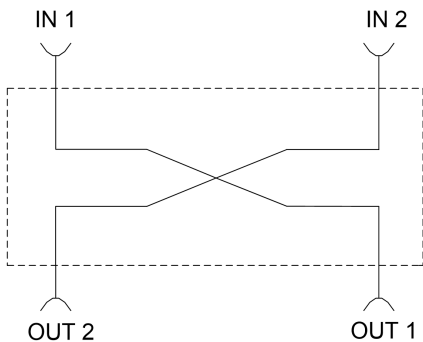
All dimensions in mm. Tolerances: ±2 mm unless otherwise stated.



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

modifications reserved!

Block Diagram



Ordering Information

Part number	Description	Connectors	Mounting
BX-HC-22-43F	2×2 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