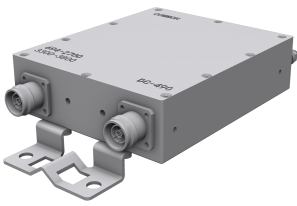
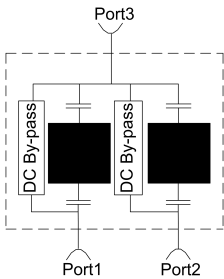


Diplexer

BX-DIP-DC38-43F
DC-490 MHz / 694-2700 & 3300-3800 MHz | 4.3-10 Female



3D View



Block Diagram

Electrical Specifications

Frequency range	DC-490 MHz / 694-2700 & 3300-3800 MHz	Port 1 / Port 2
Insertion loss	≤ 0.3 dB	Incl. tolerances
Isolation	≥ 50 dB (typ. 56 dB)	All bands
VSWR	≤ 1.20 (typ. 1.15)	All bands
Return loss (all ports)	≥ 21 dB (typ. 23 dB)	All bands
PIM (IM3), 3rd order @ 900 MHz, 2 × 20 W	≤ -160 dBc (typ. -163 dBc)	
Impedance	50 Ω	
DC bypass	Max 1 A, max 60 V DC	AISG 2.0, § 6.4
Total input power	500 W average	

Mechanical Specifications

Connectors	4.3-10 Female	IEC 61169-54
Dimensions (L × W × H)	153.15 × 128 × 40 mm	Excl. connectors
Weight	2.10 kg	
Color	Grey	RAL 7047
Mounting	Wall / Mast	Brackets sold separately

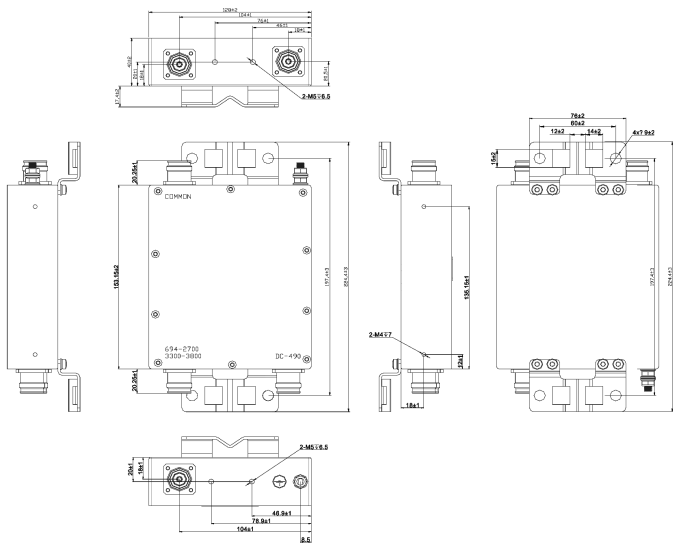
Environmental Conditions

Degree of protection	IP65	Indoor/outdoor
Operating temperature	-40 °C to +65 °C	
Relative humidity	95%	Non-condensing

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

Mechanical Drawing

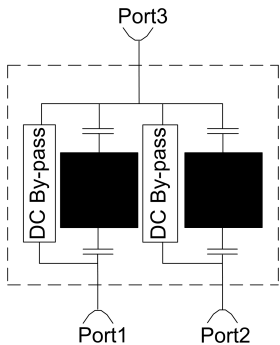
All dimensions in mm. Tolerances: ±2 mm unless otherwise stated.



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

modifications reserved!

Block Diagram



Ordering Information

Part number	Description	Connectors	Mounting
BX-DIP-DC38-43F	Diplexer DC-490 / 694-2700 & 3300-3800 MHz	4.3-10 Female (all ports)	Brackets sold separately

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