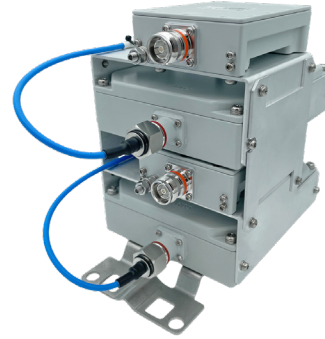


- ◆ Upgrade existing Active DAS & D-RAN sites for 5G with C-band and NR-U
- ◆ High Input Isolation
- ◆ Guaranteed Low PIM
- ◆ Minimal RF Insertion Loss
- ◆ 4.3-10 Connectors
- ◆ RoHS compliant



Model No.	Type	Weight lbs (kg)	Dimensions inches [mm]
ZB-C19	Single	6.2 (2.8)	10.21 x 5.74" x 4.19"
ZB-C19EW	Twin	12.5 (5.7)	10.21" x 5.75" x 8.34"

Microlab ZB-C19 is an integrated solution that enables the injection or splitting of the RF signals in 617-2200 MHz, 2300-2700 MHz and 3300-5925 MHz. It allows efficient combining of three set of sources in the cellular bands with Standard Bands, WCS/BRS, and N77 (DoD, CBRS, C-band) for carrier aggregation in Active DAS systems or distributed RANs.

The inputs are well isolated and have minimal insertion loss over their respective frequency bands to minimize band inter-reaction. Attention to mechanical design ensures it guarantees prolonged low passive intermodulation.

Brackets have been designed to allow for Single or Twin Wall and Pole Mount applications with output to the DAS or Antenna ensures efficient splitting of signals to avoid the use of additional splitters, therefore saving space and providing a Carrier grade solution.

Frequency Bands:

Port 1:	617-960 & 1695-2200 MHz
Port 2:	2300-2700 MHz
Port 3:	3300-5925 MHz

Power:

100 W avg. (Ports 1+2 comb.)
100 W avg. (Port 3)

PIM:

<-153 dBc (-112 dBm)
(Port 1 & Port 2)
<-161 dBc (-118 dBm)
(Port 3)
(Test 2x +43dBm tones @ ambient)

Return Loss:

See Below Table

Isolation:

See Below Table

Insertion Loss:

See Below Table

DC Pass:

None

Impedance:

50Ω nom.

Environment:

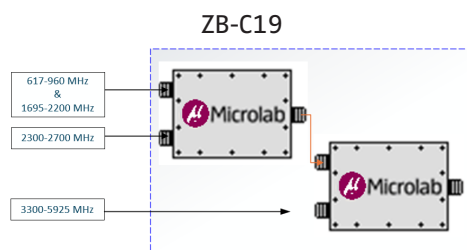
-10° to +50°C, Indoor

Connectors:

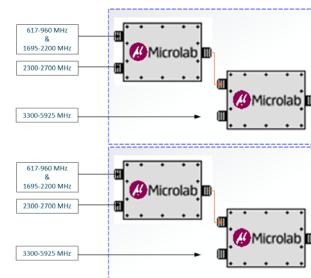
4.3-10 (f), 4-hole flange
Trimetal Albaloy

Port#	Frequency Range MHz	Nominal Insertion Loss (dB)	Return Loss min.	Isolation min.
Port 1	617-960 & 1695-2200	1.0	14 dB	50 dB
Port 2	2300-2700	1.3	14 dB	50 dB
Port 3	3300-5900	0.5	18 dB	50 dB
	5900-5925	0.5	15 dB	50 dB

ZB-C19 Series Plumbing Diagram



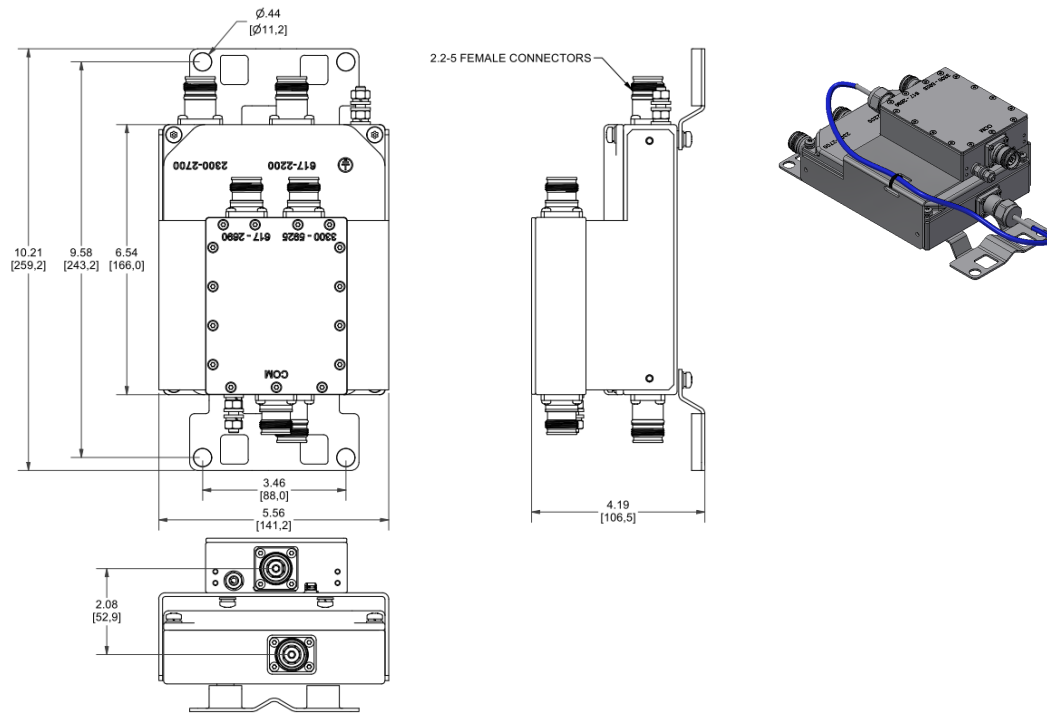
ZB-C19EW



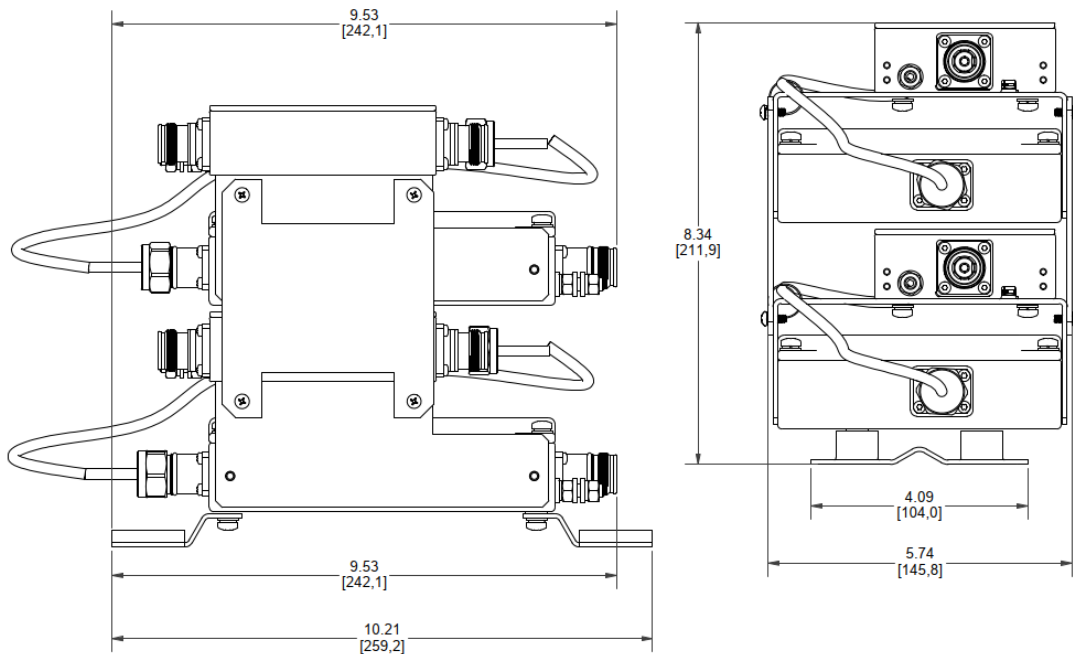
Note: Specifications are subject to change without prior notification.

24JUL2026

ZB-C19 Outline Drawing



ZB-C19EW Outline Drawing



Dimensions in inches [mm]

Note: Specifications are subject to change without prior notification.