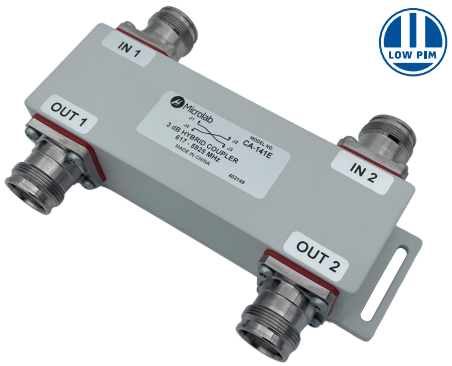
Hybrid Coupler, CA-2x2-660E

Ultra Wide-band Coupler for 5G FR1 Carrier Aggregation
200W, 617- 5,925 MHz, 4.3-10 or 2.2-5
Rev. A

- Wide-band coupler to enable 5G network deployments with Carrier aggregation
- Guaranteed Low PIM
- High Isolation and Low VSWR
- 200 Watt per Input
- IP67 Rated
- RoHS compliant



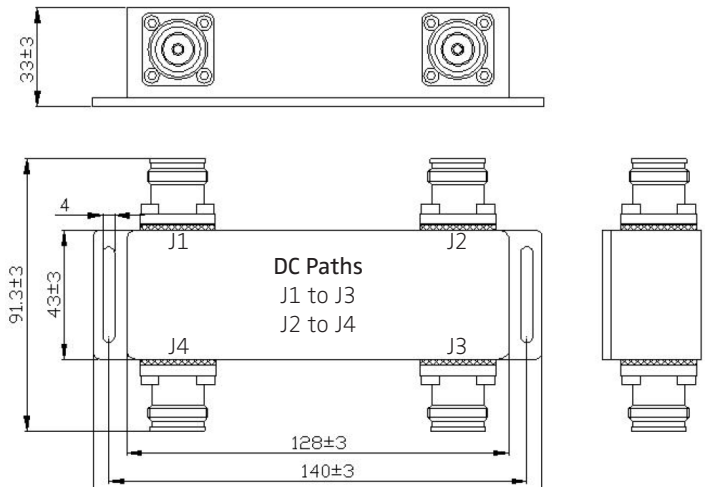
Many 5G networks need two carriers on one antenna feed or distribution cable. The CA-2x2-660 hybrid coupler covers 617 to 5925 MHz, which spans all 5G FR1 bands from 600 MHz through C-Band, so one passive coupler serves carrier aggregation across low, mid and upper bands. With one output terminated, each input signal takes a 3 dB loss. When two similar feeds are needed, both outputs can be used, eliminating the termination and its 3 dB loss. For low PIM terminations, see the Microlab TK series.

Part Number	Connectors	Weight, nom. lb. (kg)
CA-2X2-660E	4.3-10 (f)	1.23 (0.56)
CA-2X2-660G	2.2-5 (f)	1.10 (0.50)

Frequency Range (MHz)	Coupling & Loss (dB)	Isolation (dB)	VSWR (max.)
617 - 2700	3.1 ± 1.2	>25	1.25:1
2700 - 4900	3.1 ± 1.0	>18	1.35:1
4900 - 5925	3.2 ± 1.2		

Coupling:	3 dB nom.
Power/Input:	200 W
Impedance:	50 Ω nom.
PIM:	< -161 dBc (-118 dBm) (Tested with 2x +43dBm @ 25°C)
Housing Finish:	Gray Paint
Connectors:	4.3-10(f), Triplate
Environment:	-40°C to +65°C, IP67

CA-2X2-660E Outline



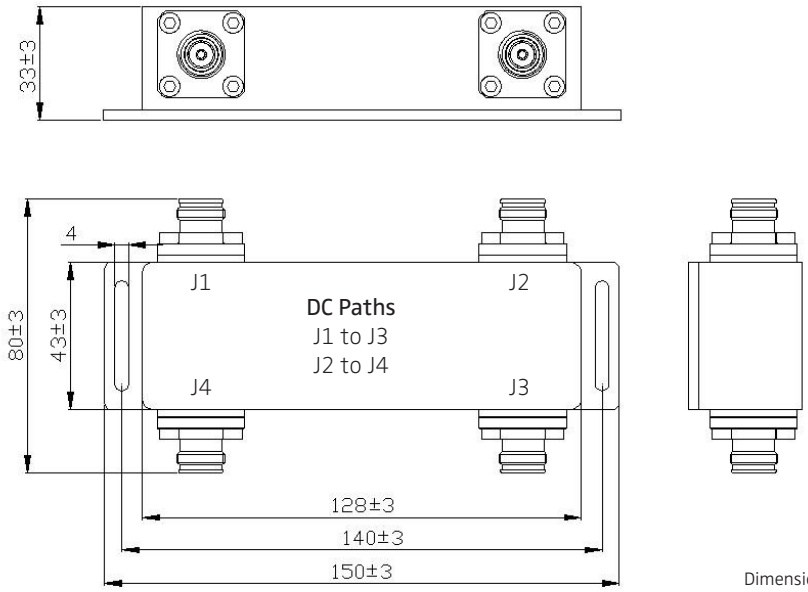
Dimensions in mm

Note: Specifications are subject to change without prior notification.

17NOV2026

Microlab, A Division of RF Industries, 300 Interpace Parkway, Parsippany, NJ 07054
Tel: (858) 549-6340 • sales@microlabtech.com • www.microlabtech.com

CA-2X2-660G Outline



Dimensions in mm