

## 2G+3G

## Tri-Band Coupler for 900/1800/2100MHz

This tri-band coupler is specially designed to combine 2G 900MHz, 1800MHz and 3G 2100 MHz cellular RF signals in to a single output. Performance is high isolation between cellular bands, low IMD level and high power rating. Robust design ideally for BTS antenna feeder shared application.

IP66 hermetic seal with temperature compensation structure enables tower top operation in extreme harsh environment.

DC Grounding for best lightning protection performance, antenna pole mount for Dia. of 51-170mm. Optional DC Bias design.



Part No.	CBC890-1800-2100-4D
Frequeny Range	Band 1: 820~ 960 MHz
	Band 2: 1710~ 1880 MHz
	Band 3: 1920~2170 MHz
Insertion Loss	Band 1: 0.2 dB typ. (0.35 max)
	Band 2: 0.3 dB typ. (0.5 max)
	Band 3: 0.3 dB typ. (0.5 max)
Return Loss (all ports)	> 18 dB
Inter- band Rejection	65dB min. (70 dB typ.)
Group Delay Variation	25 ns
Power Rating	Band 1&2: 200 W, Band 3: 150 W
IMD	<-130 dBc (2x43dBm, 3rd Order)
Connector	DIN(F)
Operating Temperature	-25 ~ +60 °C
AISG compatibility	AISG compatible
Dimension	86x175x342 mm (including brackets)
Weight	4.6kg

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