

2G+3G
Dual -Band Coupler for 900/1800+2100MHz

This dual-band coupler is specially designed to combine 2G 900MHz and 1800MHz + 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.	CBC890-2000-3D-HP
Frequeny Range	Band 1: 820~ 960 MHz Band 2: 1710~ 2170 MHz
Insertion Loss	Band 1: 0.15 dB typ. (0.20 max) Band 2: 0.25 dB typ. (0.35 max)
Return Loss (all ports)	> 20 dB
Inter- band Rejection	band 1 @ 1710-2170 MHz : 60dB band 2 @ 890-960 MHz : 50 dB
Group Delay Variation	25 ns
Power Rating	500 W
IMD	<-155 dBc (2x43dBm, 3rd Order)
Connector	DIN(F)
Operating Temperature	-25 ~ +60 °C
AISG compatibility	AISG compatible
Dimension	86x145x242 mm (including brackets)
Weight	3.8kg

Eyecom company policy is one of continuing improvement, therefore we reserve the right to change this specification without notice.