

**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   |
|-------------------------|--|
| Frequeny Range          | Band 1: 820~ 960 MHz<br>Band 2: 1710~ 2170 MHz                     |
| Insertion Loss          | Band 1: 0.20 dB typ. (0.30 max)<br>Band 2: 0.30 dB typ. (0.40 max) |
| Return Loss (all ports) | > 18 dB  |
| Inter- band Rejection   | band 1 @ 1710-2170 MHz : 60dB<br>band 2 @ 890-960 MHz : 50 dB      |
| Group Delay Variation   | 25 ns  |
| Power Rating            | L band: 200 W ; H band: 150 W                                      |
| IMD                     | <-130 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.