



**BONN HUNGARY
ELECTRONICS**

**6 / 3 GSM DUAL BAND
POWER COMBINER**

BHED12
NDS # 708

an ISO 9001 Certified Company



- **0.5 dB INSERTION LOSS**
- **IDEAL FOR COMBINING UP TO 6 BASE STATION TRANSCEIVERS**
- **3 INPUTS FOR 900 MHz GSM**
- **3 INPUTS FOR 1800 MHz GSM**
- **3 DUAL BAND OUTPUTS**
- **MULTIPLE ANTENNA FEED**

This dual band 6/3 Power Combiner is a universal system building block. It is intended for use in the 900/1800 MHz GSM systems. It can be used for combining up to 6 base station transceiver channels, feeding multiple antennas in order to reduce the loss, the system complexity and to improve the reliability. It is a non compromise solution (perfectly matched and isolated ports) to combine up to 3 different GSM operators for the same cable system.

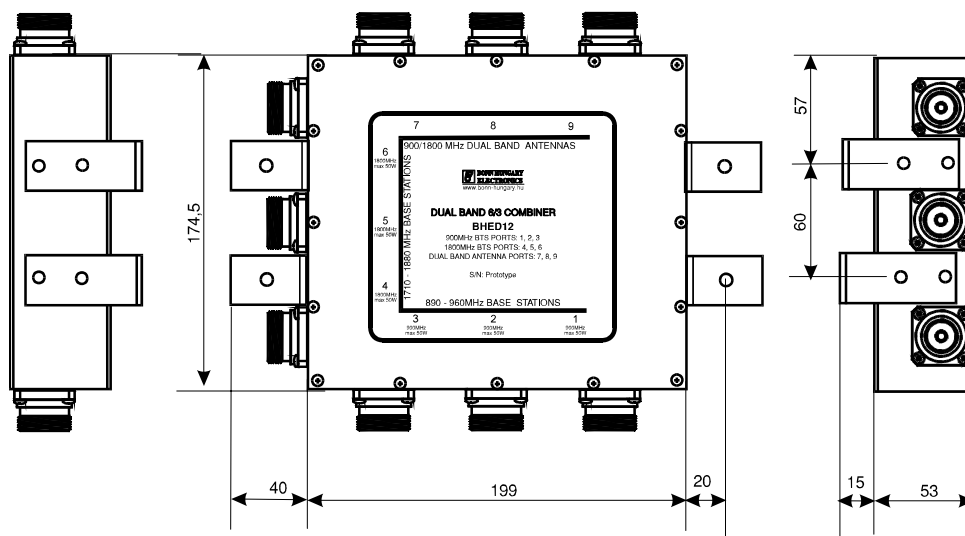
ELECTRICAL CHARACTERISTICS :

Frequency Band (*)	880 to 960 MHz	1710 to 1880 MHz
Reflection	< -20 dB typ. 25-30 dB	< -20 dB typ. 25-30 dB
Isolation (between same frequency ports)	> 20 dB typ. 30 dB	> 20 dB typ. 30 dB
Isolation (between different frequency ports)	> 40 dB typ.55 dB	> 40 dB typ.55 dB
Insertion Loss (**)	0.5 dB	0.5 dB
Insertion Loss Ripple	< ± 0.7 dB typ. < ± 0.3 dB	< ± 0.8 dB typ. < ± 0.3 dB
Max Input Power @ each connectors	50 W	50 W
Connectors	7 / 16 -female	7 / 16 -female
Operating Temperature Range	- 30 to + 70 °C	- 30 to + 70 °C

(*) Other frequency range can be specified
(**) above theoretical 4.8 dB

Specifications are subject to change without notice.

OUTLINE DIMENSIONS (mm):



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