



**BONN HUNGARY
ELECTRONICS**

**8 / 4 GSM DUAL BAND
POWER COMBINER**

BHED11
NDS # 705

an ISO 9001 Certified Company



- **0.6 dB INSERTION LOSS**
- **IDEAL FOR COMBINING UP TO 8 BASE STATION TRANSCEIVERS**
- **4 INPUTS FOR 900 MHz GSM**
- **4 INPUTS FOR 1800 MHz GSM**
- **4 DUAL BAND OUTPUTS**
- **MULTIPLE ANTENNA FEED**

This dual band 8/4 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 8 base station transceivers, 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 4 different GSM operators for the same cable system.

ELECTRICAL CHARACTERISTICS :

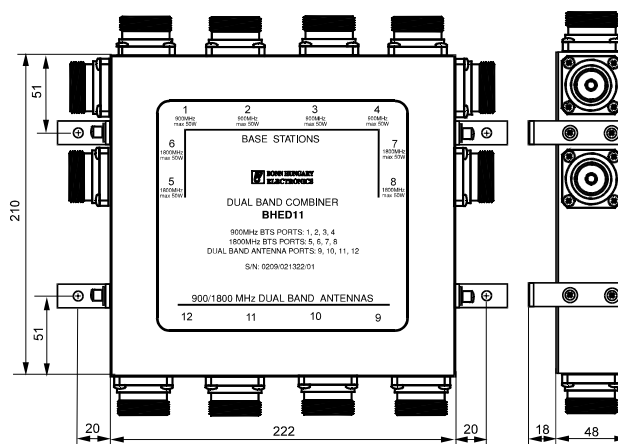
Frequency Band (*)	880 to 960 MHz	1710 to 1880 MHz
Reflection	< -20 dB typ. 25-30 dB	< -20 dB typ. 25-30 dB
Isolation	> 20 dB typ. 30 dB	> 20 dB typ. 30 dB
Isolation	> 40 dB typ.55 dB @ for 1800MHz	> 40 dB typ.55 dB @ for 900 MHz
Insertion Loss (**)	0.6 dB	0.6 dB
Insertion Loss Ripple	< ± 0.7 dB typ. < ± 0.3 dB	< ± 0.8 dB typ. < ± 0.3 dB
Max Input Power @ each connectors	50 W	50 W
Measured 3rd order products on prototype @ 2*37dBm input	-156 dBc	
Connectors	7 / 16 -female	7 / 16 -female
Operating Temperature Range	- 30 to + 70 °C	- 30 to + 70 °C

(*) Other frequency range can be specified

Specifications are subject to change without notice.

(**) above theoretical 6 dB for each (4) connectors

OUTLINE DIMENSIONS (mm):



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