



**BONN HUNGARY  
ELECTRONICS**

**6 / 3 GSM TRIBAND  
POWER COMBINER**

**BHET10**  
NDS # 715

**PRELIMINERY**

an ISO 9001 Certified Company



- **LOW INSERTION LOSS**
- **IDEAL FOR COMBINING UP TO 6 BASE STATION TRANSCEIVERS**
- **3 INPUTS FOR 900 MHz GSM**
- **3 INPUTS FOR DCS&UMTS BAND**
- **3 TRIBAND OUTPUTS**
- **MULTIPLE ANTENNA FEED**

This triband 6/3 Power Combiner is a universal system building block. It is intended for use in the GSM & DCS & UMTS 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 :**

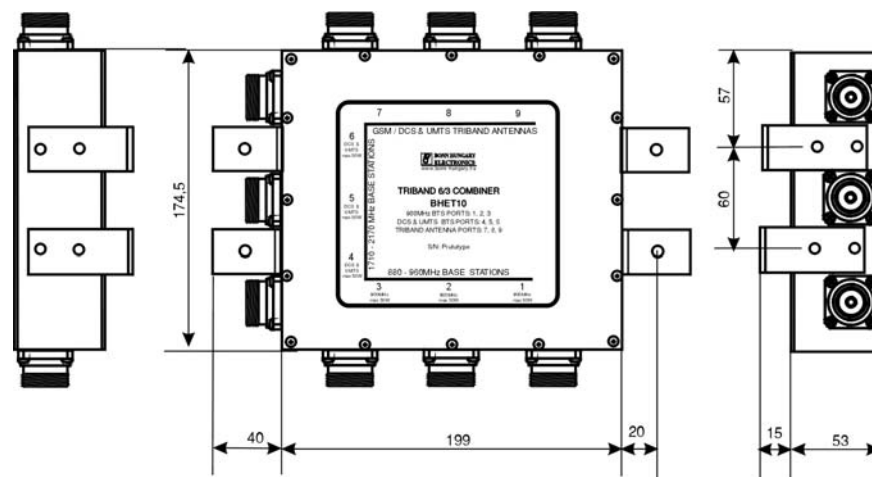
Frequency Band (*)	880 to 960 MHz	1710 to 2170 MHz
Reflection	< -20 dB typ. 25-30 dB	< -20 dB typ. 25 dB
Isolation (between same frequency ports)	> 20 dB typ. 30 dB	> 20 dB typ. 25 dB
Isolation (between different frequency ports)	> 40 dB typ.55 dB	> 40 dB typ.55 dB
Insertion Loss (**)	0.4 dB	0.7 dB
Insertion Loss Ripple	< ± 0.7 dB typ. < ± 0.3 dB	< ± 1 dB typ. < ± 0.5 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

Specifications are subject to change without notice.

(\*\*) above theoretical 4.8 dB

**OUTLINE DIMENSIONS (mm):**



**BONN Elektronik**  
RF Systems, Instruments and Components



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