



**BONN HUNGARY  
ELECTRONICS**

**3 / 3 DCS & UMTS BAND  
POWER COMBINER**

**BHEL15**  
NDS # 714

**PRELIMINERY**

an ISO 9001 Certified Company



- **0.3 dB INSERTION LOSS**
- **IDEAL FOR COMBINING 3 BASE STATION TRANSCEIVERS**
- **3 INPUTS FOR DCS&UMTS BAND**
- **3 OUTPUTS FOR DCS&UMTS BAND**
- **MULTIPLE ANTENNA FEED**

This DCS/UMTS band 3/3 Power Combiner is a universal system building block. It is intended for use in the DCS/UTMS band systems. It can be used to combine up to 3 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.

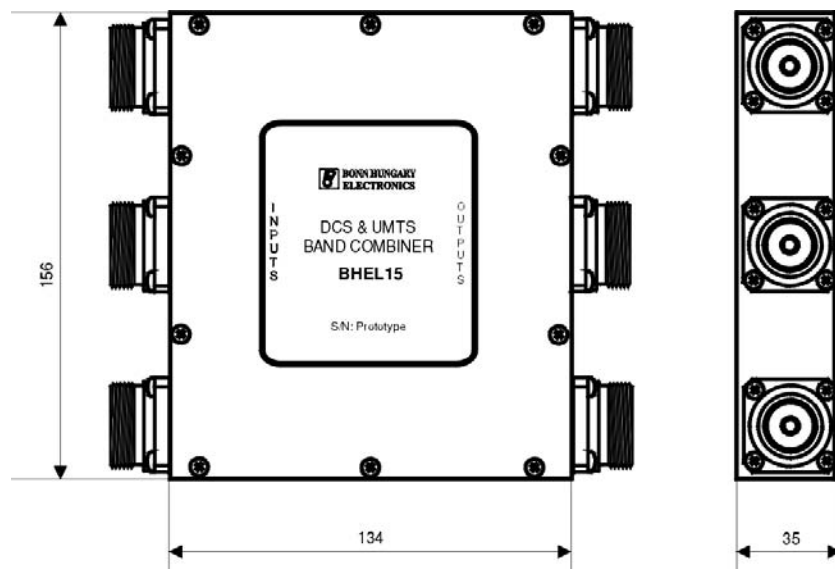
**ELECTRICAL CHARACTERISTICS :**

Frequency Band (*)	1710 to 2170 MHz
Reflection	< -20 dB typ. 25 - 30 dB
Isolation	> 20 dB typ. 30 dB
Insertion Loss (**)	0.3 dB
Insertion Loss Ripple	< ± 1 dB typ. < ± 0.5 dB
Max Input Power @ each connectors	50 W
Connectors	7 / 16 -female
Operating Temperature Range	- 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):**



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

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