



**BONN HUNGARY
ELECTRONICS**

**2 / 2 GSM 1800 MHz BAND
POWER COMBINER**

BHEL12
NDS # 713

an ISO 9001 Certified Company



- **0.3 dB INSERTION LOSS**
- **IDEAL FOR COMBINING UPTO 2 BASE STATION TRANSCEIVERS**
- **2 INPUTS FOR 1800 MHz**
- **2 OUTPUTS FOR 1800 MHz**
- **MULTIPLE ANTENNA FEED**

This 2/2 Power Combiner is a universal system building block for the 1800 MHz GSM (DCS) systems. It can be used for combining upto 2 base station transceiver channels, feeding multiple antennas in order to reduce the loss, the system complexity and to improve the reliability. It is useful to combine up to 2 different GSM operators for the same cable system.

ELECTRICAL CHARACTERISTICS :

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

(*) Other frequency range can be specified
(**) above theoretical 3 dB

Specifications are subject to change without notice.

OUTLINE DIMENSIONS (mm):

BONN Elektronik 
RF Systems, Instruments and Components

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