



**BONN HUNGARY
ELECTRONICS**

**10 dB BROADBAND
850 - 2500 MHz
DIRECTIONAL COUPLER**

BDEB13
NDS # 754

an ISO 9001 Certified Company



- **IDEAL FOR THE 900/1800 MHz GSM / DCS / UMTS SYSTEMS**
- **10 dB COUPLING**
- **COMPACT SIZE**

This broadband directional coupler is a universal building block which is intended for use to combine signals in the most common mobile systems. Due to its low losses and compact size it can be used effectively in these communication systems.

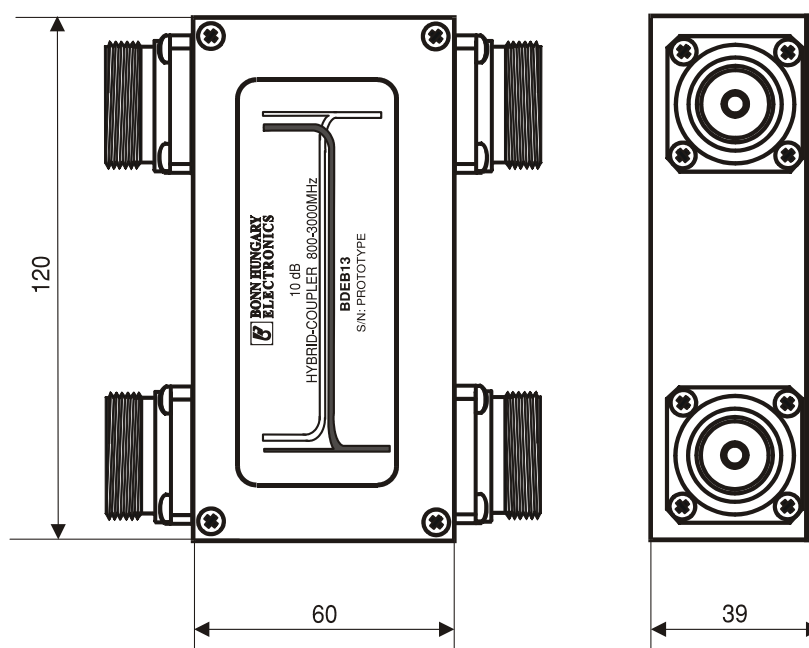
ELECTRICAL CHARACTERISTICS :

Frequency Band	850 to 2500 MHz
Nominal Coupling	10 dB (other coupling values are optional)
Coupling Ripple	± 0.5 dB
Insertion Loss (*)	typ. 0.2 dB, max. 0.3 dB
Isolation (Directivity + Nominal Coupling)	min. 20 dB, typ. > 25 dB
Reflection	< -20 dB typ. < -25 dB
Max. Input Power	> 100 W
Connectors	7/16 – female (N connector optional)
Operating Temperature Range	- 30 to + 70°C
Optional: 3 connector version (coupled line terminated inside)	

(*) above the theoretical main line loss

Specifications are subject to change without notice.

OUTLINE DIMENSIONS (mm):



BONN Elektronik
RF Systems, Instruments and Components



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