BDEB46

10dB BROADBAND
780-2700MHz DIRECTIONAL COUPLER

- **IDEAL FOR THE GSM / DCS / UMTS / LTE SYSTEM**
- **10 dB NOMINAL COUPLING**
- **WITH INTERNAL TERMINATION**
- **COMPACT SIZE**
- **OUTDOOR ASSEMBLY**

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

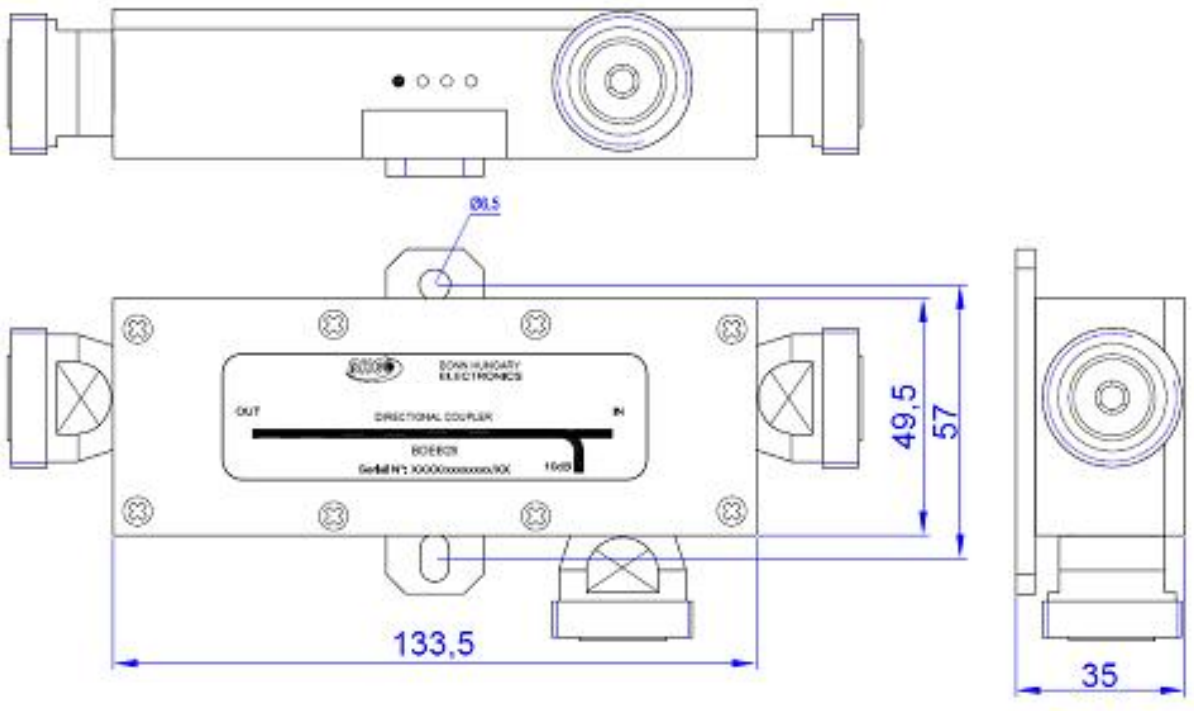
Electrical characteristics:

Frequency Band	780 to 2700 MHz
Nominal Coupling	10 dB
Coupling Ripple	± 0.5 dB
Insertion Loss (*)	< 0.2 dB typ., max. 0.4 dB
Reflection @ all port	< -25 dB typ., max. -20 dB
Measured 3th order IM products (**)	–150 dBc typ.
Max. Input Power @ main input	200 W
Connectors	7/16 – female (N connector optional)
Operating Temperature Range	- 30 to + 70°C
Application, IP rating	Outdoor, IP68

(*) above the theoretical value Specifications are subject to change without notice.

(**) measured at 2x40 dBm @ DCS freq. on the common input port

Outline dimensions (mm):



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