



**BDEB70**

**3dB BROADBAND SPLITTER/COMBINER  
380-2700MHz**

- **IDEAL FOR THE TETRA / GSM / DCS / UMTS / LTE SYSTEM**
- **3 dB COUPLING**
- **LOW PASSIVE INTERMODULATION LEVEL**
- **HIGH POWER SPLITTER / COMBINER**
- **WEATHERPROOF HOUSING**

This broadband coupler is a universal building block that is intended for use to combine or split signals in the most common mobile systems. Due to its low losses and low IM levels, it can be used effectively in these communication systems.

**Electrical characteristics:**

Frequency Band	380 to 2700 MHz
Nominal Coupling	3 dB
Dissipation Loss	0.2 dB, max. 0.3dB
Coupling Ripple	$\pm 0.9$ dB @ 380-470MHz $\pm 0.35$ dB @470-2700MHz
Reflection @ all port	< -20 dB, max. -18 dB
Isolation	> 25 dB, min. 20 dB
Measured 3rd order IM products (*)	typ. -160 dBc
Max. Input Power	200W / input port
Application – IP rating	Outdoor - IP68
Connectors	7/16 – female (optionally 4.3/10 – female)
Operating Temperature Range	- 30 to + 70°C
Weight	1400 g
Dimensions	200 x 62.5 x 40 mm

Specifications are subject to change without notice.

(\*) measured at 2x43 dBm @ DCS freq.

**Outline dimensions (mm):**

