

MAIN FEATURES

- ❖ Designed for wireless applications
- ❖ High power splitter/combiner
- ❖ Low VSWR, insertion loss and PIM
- ❖ High isolation
- ❖ High reliability
- ❖ Weather-proof housing



DESCRIPTION

This broadband hybrid coupler has been designed to combine or split signals in common mobile systems. The carefully designed multisection coupled transmission lines provide a broadband frequency range and high power handling.

SPECIFICATIONS

RF PARAMETERS	
Frequency range	380 – 2700 MHz
Nominal coupling	6 dB
Coupling ripple	max. \pm 1.3 dB
Dissipation loss	\leq 0.3 dB
Return loss @ all ports	$<$ -21 dB, max. -19 dB
Isolation	\geq 23 dB
Measured 3rd order IM products	\leq -160 dBc @ 2 x 43 dBm
Impedance	50 Ω
Maximum input power	300 W
MECHANICAL PARAMETERS	
Connectors	4.3-10 – female
Dimensions (without connectors)	356 x 121 x 68 mm (see outline dimensions)
Colour	Light grey (RAL 7047)
ENVIRONMENTAL PARAMETERS	
Operating temperature range	-30 °C ... 70 °C
Degree of protection	IP65 (Outdoor)

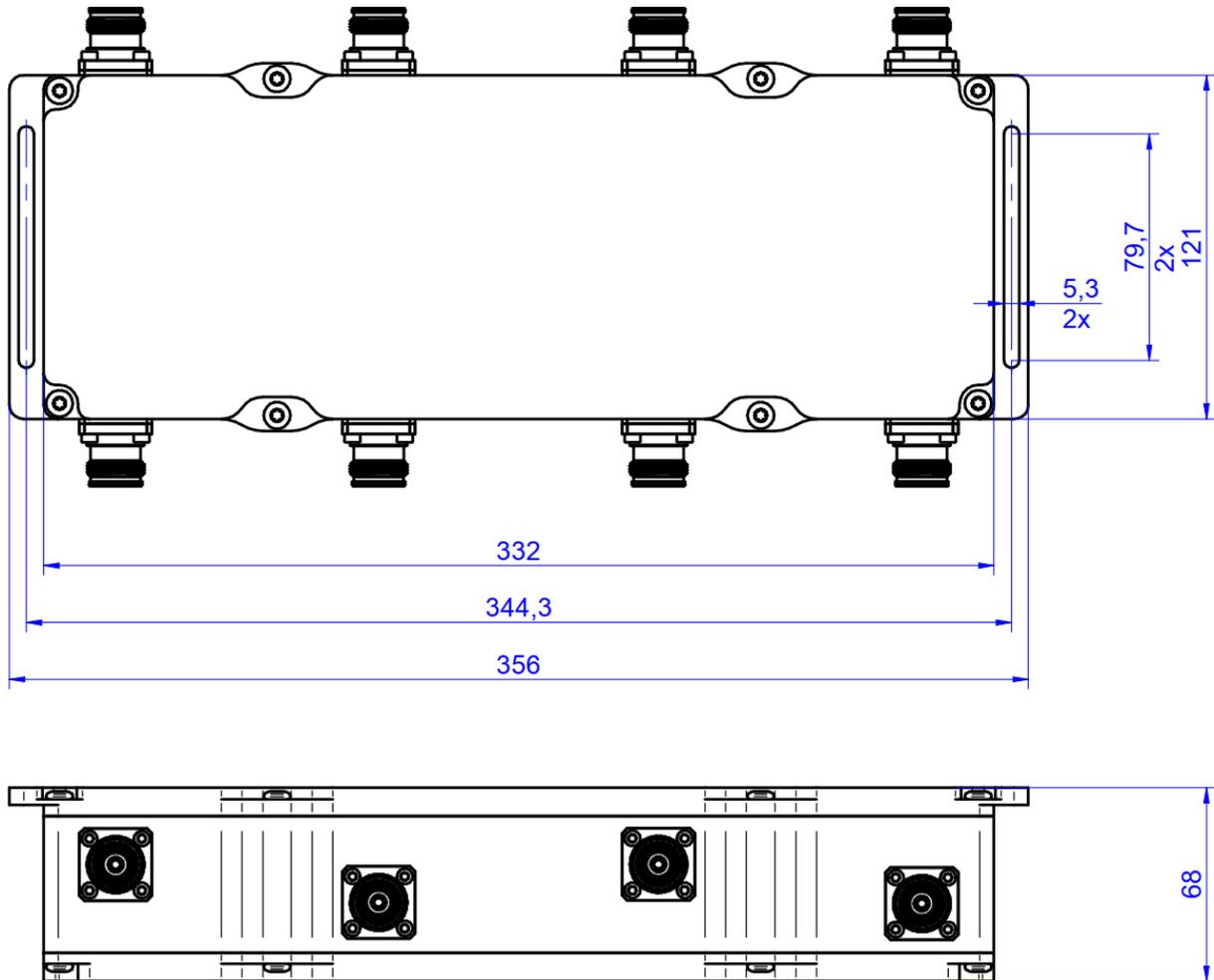
Specifications are subject to change without notice.



BHET71

6dB 4x4 Broadband Hybrid Coupler 380-2700MHz

OUTLINE DRAWING (mm)



ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
BHET71K11077	BHET71 4 to 4 way (6 dB), 380-2700 MHz, 300W/port, splitter and combiner, 4.3-10 connector

DOCUMENT REVISION

DOCUMENT NAME	REVISION	DATE
BHET71-LM-K11077	V05	2024-02-13