BDEB71
3dB Broadband Hybrid Coupler 380-2700MHz

MAIN FEATURES



- Designed for wireless applications
- High power directional coupler
- 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.

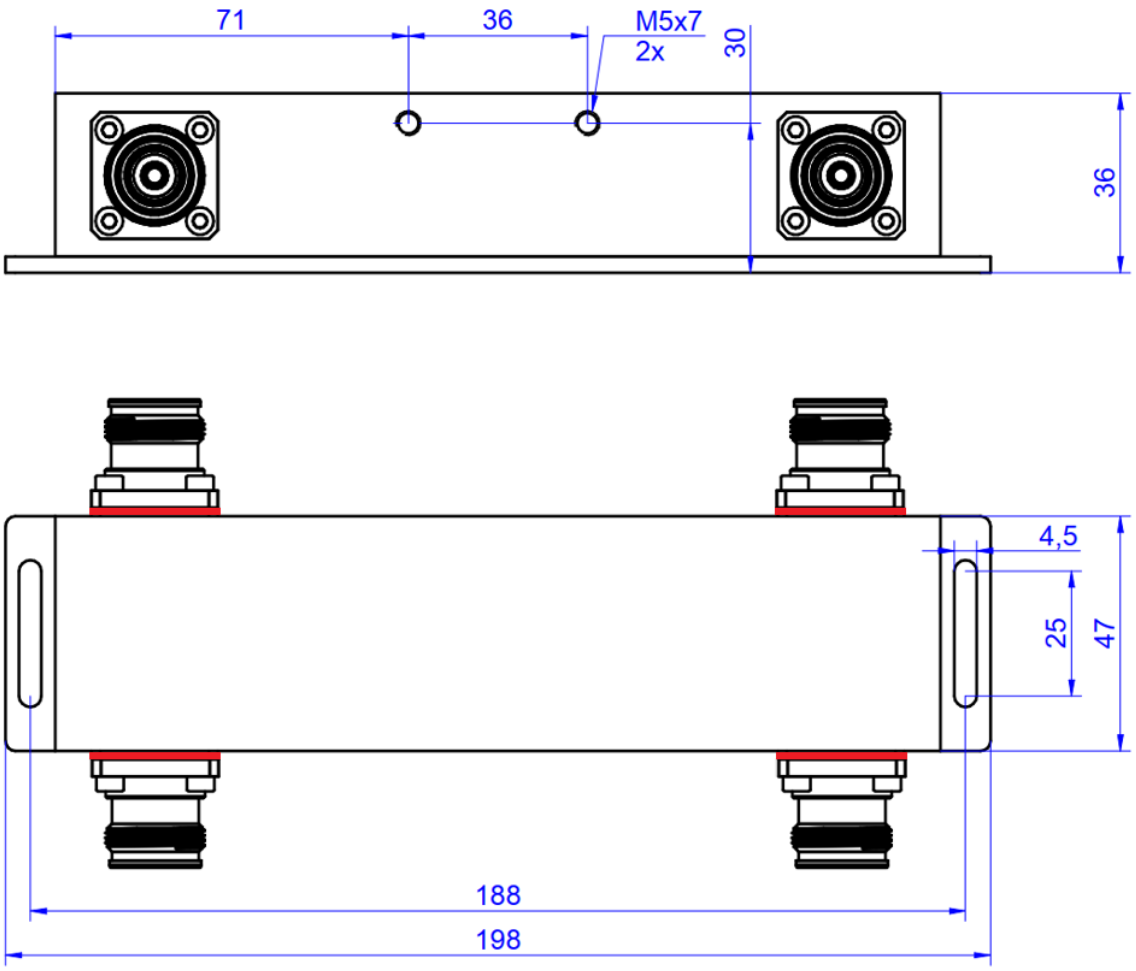
SPECIFICATIONS

RF PARAMETERS	
Frequency range	380 – 2700 MHz
Nominal coupling	3 dB
Coupling ripple	max. ±1 dB
Dissipation loss	≤0.2 dB
Return loss @ all ports	<-21 dB, max. -19 dB
Isolation	≥23 dB
Measured 3rd order IM products	≤-160 dBc @ 2 x 43 dBm
Impedance	50 Ω
Maximum input power	300 W
MECHANICAL PARAMETERS	
Connectors	4.3-10 – female
Dimensions (without connectors)	198 x 47 x 36 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.

BHE
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OUTLINE DRAWING (mm)



ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
BDEB71K11089	BDEB71 3 dB hybrid, 380-2700 MHz, 300 W, 4.3-10 connector

DOCUMENT REVISION

DOCUMENT NAME	REVISION	DATE
BDEB71-LM-K11089	V02	2024-02-13