

3dB BROADBAND 780-2700MHz SPLITTER/COMBINER

- IDEAL FOR THE GSM / DCS / UMTS / LTE SYSTEM
- 3 dB COUPLING
- LOW DISSIPATIVE LOSS
- LOW PASSIVE INTERMODULATION (PIM)
- HIGH POWER SPLITTER / COMBINER
- COMPACT SIZE
- WEATHERPROOF HOUSING

This broadband directional 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 compact size it can be used effectively in these communication systems.

Electrical characteristics:

Frequency Band	780 to 2700 MHz
Nominal Coupling	3 dB
Coupling Ripple	< ± 0.5 dB
Insertion Loss (*)	0.25 dB typ. max 0.4 dB
Isolation (Directivity)	> 25 dB typ., min. 20 dB
Reflection @ all port	< -25 dB typ., max. -20 dB
Measured 3th order IM products (**)	-150 dBc typ.
Max. Input Power	200 W avg.
Indoor/Outdoor - IP	IP50 / IP68 optional
Connectors	7/16 – female (N connector optional)
Operating Temperature Range	- 30 to + 70°C
Weight	850 g
Dimensions	126x50x35 mm ³

(*) above the theoretical 3 dB coupling

Specifications are subject to change without notice.

(**) measured at 2x40 dBm @ DCS freq.

Outline dimensions (mm):

