

3dB BROADBAND 780-2500MHz SPLITTER/COMBINER

- IDEAL FOR THE GSM / DCS / UMTS SYSTEM
- 3 dB COUPLING
- HIGH POWER SPLITTER / COMBINER
- LOW LOSS AND PIM
- 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 2500 MHz
Nominal Coupling	3 dB
Coupling Ripple	$< \pm 0.5$ dB
Insertion Loss (*)	< 0.2 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	200W avg.
Connectors	7/16 – female (N connector optional)
Application, IP rating	Outdoor – IP68
Operating Temperature Range	- 30 to + 70°C

(*) above the theoretical 3 dB coupling loss

Specifications are subject to change without notice.

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

Outline dimensions (mm):

