

3dB BROADBAND 380-2700MHz SPLITTER/COMBINER

- IDEAL FOR THE TETRA / GSM / DCS / UMTS / LTE SYSTEM
- 3 dB COUPLING
- LOW DISSIPATIVE LOSS
- 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	380 to 2700 MHz
Nominal Coupling	3 dB
Coupling Ripple	$< \pm 0.5$ dB
Insertion Loss (*)	0.25dB typ. max 0.4dB
Isolation (Directivity)	> 25 dB typ., min. 20 dB
Reflection @ all port	< -25 dB typ., max. -18 dB
Measured 3th order IM products (**)	-150 dBc typ.
Max. Power @ common port	200 W avg.
Indoor/Outdoor - IP	Outdoor - IP68
Connectors	7/16 – female (N connector optional)
Operating Temperature Range	- 30 to + 70°C
Weight	1200g
Dimensions	210 x 55 x 35 mm

(*) above the theoretical 3 dB coupling

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

Specifications are subject to change without notice.

Mechanical outline:

