

## 3 dB BROADBAND 800-2200MHz

- IDEAL FOR THE 900/1800 MHz GSM / DCS / UMTS SYSTEMS
- 3 dB COUPLING
- HIGH POWER SPLITTER
- COMPACT SIZE
- WITH INTERNAL TERMINATION

This broadband directional coupler is a universal building block which is intended for use to 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	800 to 2200 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 @ common port	100 W
Connectors	7/16 – female ( N connector optional )
Operating Temperature Range	- 30 to + 70°C

(\*) above the theoretical 3 dB coupling loss

Specifications are subject to change without notice.

(\*\*) measured 2x40 dBm @ 1730 MHz common input port

### Outline dimensions (mm):

