

## 3dB BROADBAND 780-2700MHz OUTDOOR SPLITTER

- IDEAL FOR THE GSM / DCS / UMTS SYSTEM
- 3 dB COUPLING
- HIGH POWER SPLITTER
- COMPACT SIZE
- OUTDOOR ASSEMBLY
- 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, also in outdoor environments.

### Electrical characteristics:

|                                     |  |
|-------------------------------------|--|
| Frequency Band                      | 780 to 2700 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                               |
| Max. Input Power @ common port      | 200 W                                  |
| Connectors                          | 7/16 – female ( N connector optional ) |
| Operating Temperature Range         | - 30 to + 70°C                         |
| Application, IP rating              | Outdoor – IP68                         |

(\*) above the theoretical 3 dB coupling loss

Specifications are subject to change without notice.

(\*\*) measured at 2x40 dBm @ DCS freq. on the common input port

### Outline dimensions (mm):

