

**20dB BROADBAND  
380-2700MHz OUTDOOR COUPLER**

- **IDEAL FOR TETRA / GSM / DCS / UMTS / LTE SYSTEMS**
- **20 dB COUPLING**
- **HIGH POWER COUPLER**
- **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	380 to 2700 MHz
Nominal Coupling	20 dB
Coupling Ripple	$< \pm 0.5$ dB
Insertion Loss (*)	$< 0.2$ dB typ., max. 0.4 dB
Directivity	min. 20dB
Reflection @ all port	$< -25$ dB typ., max. -20 dB
Measured 3th order IM products (**)	-150 dBc
Max. Input Power	200W @ input port
Connectors	7/16 – female ( N connector optional )
Operating Temperature Range	- 30 to + 70°C
Application, IP rating	Outdoor – IP68

(\*) above the theoretical coupling loss

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

Specifications are subject to change without notice.

**Outline dimensions (mm):**