

# DOWN CONVERTERS (OUTDOOR)

DC-OU



Like the Up Converters, also the Down Converters are generally proposed in the version of waterproof box for outdoor environments. This allows installations closer to the antenna, minimizing losses due to wiring. The Down Converters are powered via the output connector of the IF signal and they internally contain PM Microwave local oscillators, which boast excellent stability and spectral purity.

## TECHNICAL SPECIFICATIONS\*

\*specifications may be changed in accordance with the technical department

### DOWN CONVERTER

RF input frequencies	1.8 ÷ 14.5 GHz
IF output frequencies	typ. 36 / 70 / 1200 / 2400 MHz (others on request)
Output level	typ. -10 dBm
Output signal bandwidth	max. 30 MHz
Output characteristic impedance	50 $\Omega$
Return loss on output port	> 18 dB
RF structure	PLL synthesized, single or double conversion
Noise figure	2 dB typ.
Frequency stability L.O.	$\pm 5$ ppm standard, $\pm 2$ ppm HS opt.
L.O. steps	1 MHz standard (others on request)
Spurious emissions	< -60 dBc

### GENERAL

Power supply	13 ÷ 15 Vdc via IF input
Power consumption	15 W typ.
Operating temperature	-10 ÷ +45 °C
Storage temperature	-20 ÷ +80 °C
Storage relative humidity	10% ÷ 80%
Dimensions	Custom box (220 × 96 × 228 mm)
Protection degree	IP67