



UMTS BAND-SELECTIVE HIGH POWER PICO-REPEATER

- **HIGH POWER**
- **HIGH SENSITIVITY**
- **HIGH DYNAMIC RANGE**
- **COMPACT SIZE**

This pico-repeater is intended for use in DCS indoor systems. It is a very compact and lightweight unit and it is especially advantageous to use it inside the buildings, rooms, tunnels where the field strength is weak. It is a cost effective solution to cover areas, which cannot be covered economically with base stations. It is a very economical solution can be installed easily. Status information such as overload, overtemperature, supply voltage failure, PLL unlock is indicated by red and green LED-s.

Electrical characteristics:

Frequency Band Downlink	2110 – 2170 MHz
Frequency Band Uplink	1920 – 1980 MHz
Frequency Bandwidth (Down/Uplink) (*)	5 – 45 MHz
Mode of Operation	band selective duplex
Linear Output Power	Downlink: + 18 dBm @ < - 36 dBm IM products Uplink: + 18 dBm @ < - 36 dBm IM products
ICP3	+ 41 dBm typ.
Maximum Output Power (**)	Downlink: 24 dBm Uplink: 24 dBm
Nominal Gain	70 dB
Gain Ripple	± 1.5 dB typ.
Gain Setting	70 to 40 dB in 2 dB steps or adaptive
Input Noise Figure	6 dB typ.
EVM @ Downlink Pout=18dBm	3.5% typ. (ETSI regulation < 12%)
PKCDE @ Downlink Pout=18dBm	<-45 dB typ. (ETSI regulation < -35dB)
ACRR @ Downlink Pout=18dBm	45 dBc typ. (ETSI regulation > 20dB)
Harmonics	According to the ETSI regulation < - 30 dBm
Spurious Radiation	According to the ETSI regulation < - 30 dBm
Local Leakage	According to the ETSI regulation < - 30 dBm
RF Connectors	N – female
Supply Voltage	with external 230V AC/DC power supply
Power Consumption	17 VA
Weight	1.2 kg
Operating temperature range	0 to + 55 °C optional -10 + 55 °C
Application	Indoor

(*) Centre frequency and bandwidth can be specified in the whole DCS band.

(**) Adjustable ALC level.

Specifications are subject to change without notice.

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Outline dimensions (mm):

