

## MR-HSUMTS70-18

### UMTS HS Bi – Directional Amplifier (WCDMA)

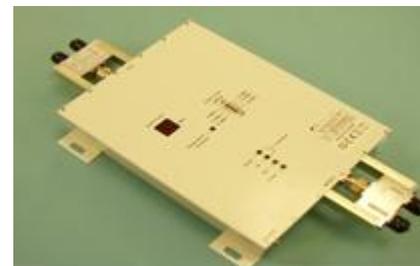
MR-HSUMTS70-18 is a high selective linear repeater at low power consumption. It provides a cost effective answer for enhancing radio communication in buildings, basements, parking garages and other RF shielded environments.

The features of this model are two built-in CDMA 800 / UMTS dual-band duplexers, which allows providing UMTS coverage in existing CDMA 800 area.

Different pass bands are available upon request

Additional Features

- Auto Setup.
- "Down Link" RF Power indication.



### Specifications

#### Electrical

|  | Down Link                     | Up Link                                      |
|--|-------------------------------|--|
| Frequency Band   | 2110-2170 MHz                 | 1920-1980 MHz                                |
| Pass Band(*)   | 2140-2150 MHz                 | 1950-1960 MHz                                |
| Gain at min. Attenuation, min.                               | 73 dB                         | 70 dB  |
| Output Power @ 1 dB Compression                              | 30 dBm                        |  |
| Pass Band Ripple   | ±1.5 dB                       |  |
| Rejection / 1 MHz from Pass Band, min.                       | 45 dB                         |  |
| Maximum Output Power   | 20dBm                         | 16dBm  |
| Range of ALC output power setting points, dBm(*)             | 20-6 dBm<br>(up 8 set points) | Gain is set 3 dB less than<br>Down Link Gain |
| Range of AGC, dB   | 30 dB                         |  |
| Output IP3, min.   | 40 dBm                        |  |
| Propagation delay, max.                                      | 5 usec                        |  |
| Noise Figure at min. attenuation, max.                       | 6 dB                          |  |
| Impedance  | 50 Ohm                        |  |
| VSWR, max.   | 2 : 1                         |  |
| Protection from Oscillation and Overload                     | Automatic                     |  |
| Limited Output Power   | 28 dBm                        |  |
| Isolation between RF ports: 800-2000 MHz (internal duplexer) | > 45 dB                       |  |
| Biasing ( 220 VAC/DC Adapter included)                       | 6.7 VDC @ 3.5A max            |  |

#### Mechanical

|            |                         |
|------------|-------------------------|
| Dimensions | 420 x 250 x 65 mm       |
| Weight     | 2.5 kg.                 |
| Connectors | N-Type, Female          |
| Mount      | Wall / Ceiling Mounting |

#### Environmental

|                             |                |
|-----------------------------|----------------|
| Operating Temperature Range | -10°C to +50°C |
| Humidity, min.              | 95%            |
| Splash, Dust                | Protected      |

(\*) Other available on request

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