

MR-HSUMTS70-X

UMTS HS Bi-Directional Amplifier 1Watt

UMTS High Selective Repeater provides a cost effective answer for enhancing radio communication in buildings, basements, parking garages and other RF shielded environments. BDA products are designed to receive and amplify RF signals strength in both the "Down Link" and the "Up Link" communication paths.



Specifications

Electrical

	Down Link	Up Link
Frequency Range	2110-2170 MHz	1920-1980 MHz
Pass Band (*)	2140-2150 MHz	1950-1960 MHz
Gain at min. Attenuation, min.	75 dB	72 dB
Pass Band Ripple	±1.5 dB	±1.5 dB
Rejection / 1 MHz from Pass Band, min.	45 dB	45 dB
Maximum Output Power	30 dBm	12 dBm
Range of ALC output power setting points (up 8)	30-16 dBm (*)	(*) & (**)
Range of ALC, min.		30 dB
Output IP3, min.	48 dB	38 dB
Propagation delay, max.		5 usec
Noise Figure, max.	6 dB	4.5 dB
Impedance		50 Ohm
VSWR In/Out, max.		2 : 1
Protection from Oscillation and Overload		Automatic
Local control & monitoring / RS-232/		Yes
Current & temperature protection		Yes
Down RF Power indication		Yes
Power Supply		220V AC
Power consumption, max.		50 W

Mechanical

Dimensions	440 x 325 x 180 mm
Weight	Less than 11 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

(**) Up Link Gain is setting 3 dB less than Down Link Gain

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