

MR-HGSM50-X

GSM1800 Bi-Directional Amplifier

MARS BDA series of products 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	1805-1880 MHz	1710-1785 MHz
Gain at, min. Attenuation		45 dB
Pass Band Ripple		±3 dB
Maximum Output Power		15 dBm
Output Power @ 1 dB Compression		25 dBm
Noise Figure max.		7 dB
Digital Automatic Level Control, 1 dB Step		30 dB
Impedance		50 Ohm
VSWR, max.		2 : 1
Output IP3, min.		38 dBm
Input Power, max.		-15 dBm
Biassing		6.5V / 1500mA

Mechanical

Dimensions	310 x 150 x 63 mm
Weight	Less than 2 kg.
Connectors	N-Type, Female
Mount	Panel

Environmental

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

MARS Antennas & RF Systems proprietary information

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3 Hamanor st. Holon 5886103, P.O.Box 1852 Holon 5811801, Israel

Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com