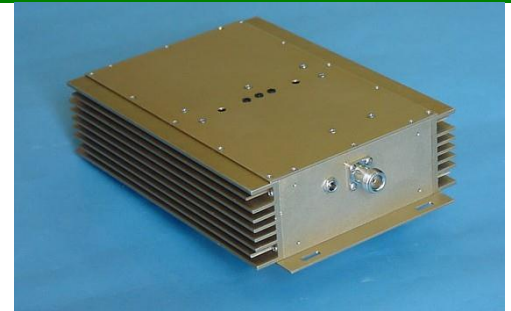


MR-BIDEN60-X1W

SMR / IDEN 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	851-866 MHz	806-821 MHz
Operational Frequency Band, (Other Available on Request)	851-866 MHz	806-821 MHz
Gain at, min. Attenuation	60 dB	
Pass Band Ripple	±1.5 dB	
Output Power @ 1 dB Compression	30 dBm	
Noise Figure max.	6 dB	
Gain Control Range, manual, 2 dB Step	30 dB	
Impedance	50 Ohm	
VSWR, max.	2 : 1	
Output IP3, min.	40 dBm	
Biassing (Through Separate DC Connector)	6.7V / 3A (Adaptor MR-PS30 should be Ordered Separately)	

Mechanical

Dimensions	243 x 160 x 57 mm
Weight	2 kg.
Connectors	N-Type, Female

Environmental

Operating Temperature Range	-30°C to +70°C
Humidity, min.	95%
Splash, Dust	Protected

MARS Antennas & RF Systems proprietary information

MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product, available on MARS website.

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