MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

MR-DBHSUC-80

CDMA/UMTS 1Watt Dual Band (850MHz & 2000MHz) Repeater

MR-DBHSUC-80 is a high selective (45-50dB) dual band 1Watt RF liner power 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.

Additional Features

- Auto Setup
- Oscillation & Overload Protection
- AGC

Specifications

	850MHz		2000MHz	
Electrical				
	Down Link	Up Link	Down Link	Up Link
Frequency Band *	869-879 MHz	824-834 MHz	2140-2150 MHz	1950-1960 MHz
Gain at min. attenuation	75 dB	72 dB	80 dB	77 dB
Gain Difference - DL/UL	3 dB		3 dB	
Pass Band Ripple	± 1.5dB		± 1.5dB	
Max (Linear) Output Power	30 dBm	15 dBm	30 dBm	15 dBm
Intermodulation products, not more	- 43 dBc		- 43 dBc	
Limited Output Power (Shut down level)	33 dBm	18 dBm	33 dBm	18 dBm
Range of AGC	30 dB		30 dB	
Noise Figure at min. attenuation, max.	6 dB		5 dB	
Propagation delay, max	5 usec		5 usec	
Protection from Oscillation and Overload	Automatic		Automatic	
Impedance	50 Ohm		50 Ohm	
VSWR In/Out, max.	2 : 1		2 : 1	
Indications -Leds	"Power ON", "850 Signal", "2000 Signal'			
Standard: 3GPP TS 25.106	Compliance			
Biasing (220 VAC/ DC Adapter included)	100-240VAC, 47-63Hz			
Mechanical				
Dimensions with connectors	350 x 270 x 100 mm			
Weight	< 5 Kg.			
Connectors	N-Type, Female			
Mount	Wall / Ceiling Mount			
Environmental				
Operating Temperature Range	-10°C to +50°C			
Humidity, min.	95%			
Splash, Dust	Protected			

(*) Other available by request;

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