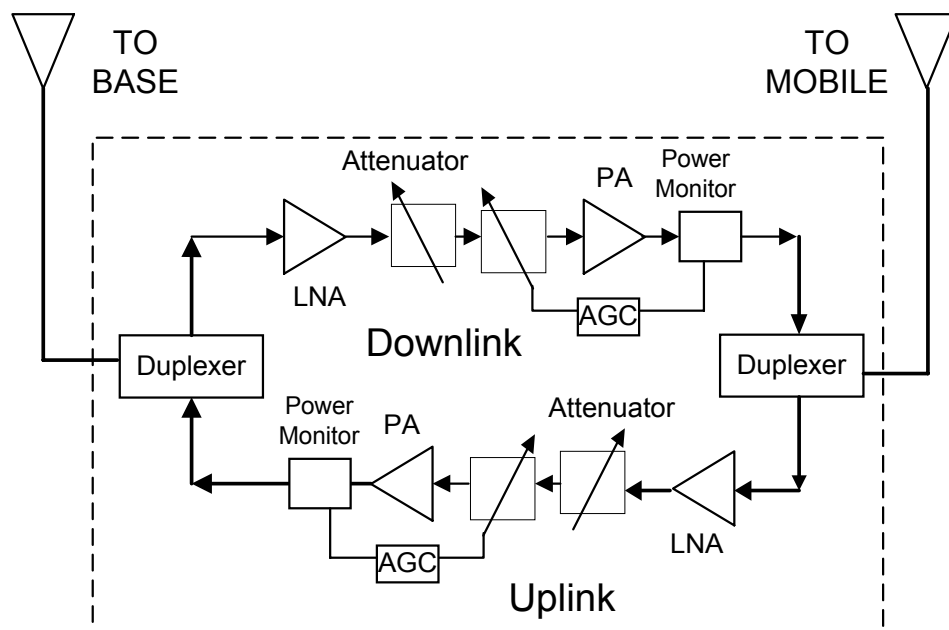




Dekolink WIRELESS Ltd.
16 Bazel St. Qiryat-Arieh Petah-Tikva, Israel, 49510
Tel- 972-3-9180-180 Fax-972-3-9180-190
e-mail: marketing@decolink.com web www.decolink.com

RF COMPONENTS DESCRIPTION AND SCHEMATICS FOR MW-BDA-800BB-50W90



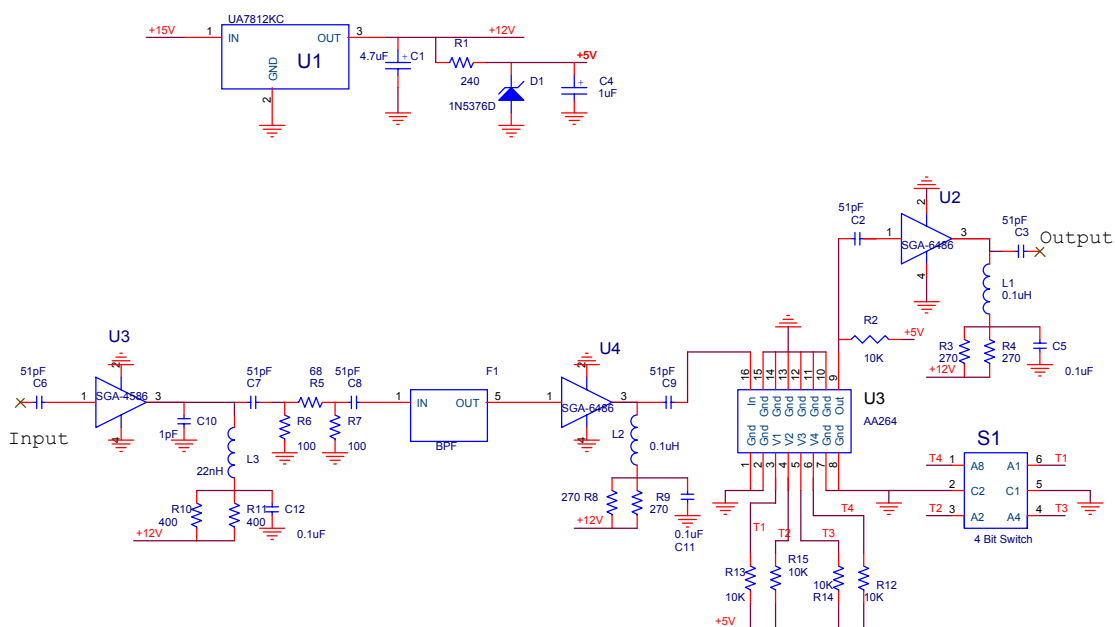
BDA RF BLOCK DIAGRAM



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LNA +STEP ATTENUATOR

This is a 48dB GAIN unit with a 30 dB step attenuator. The step attenuator is used to reduce the Repeater gain when needed, usually to set proper output power . Both Uplink and downlink LNA's are the same except for a ceramic filter that is tuned to the proper band (uplink / downlink)



Title		
Preamplifier Filter		
Size A	Document Number	Rev
	300AC80504	
Date:	Thursday, July 31, 2003	Sheet 1 of 1

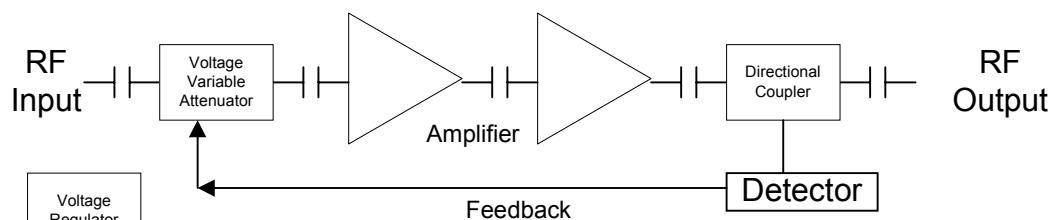


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Downlink power amplifier:

This is a 50W 1dB compression amplifier operated at 10W composite output power. The power is limited by AGC mechanism to keep system performance. The amplifier uses 28VDC, 4AMP. Typ.

This is a Buy product so we have only block diagram.



DOWN LINK POWER AMPLIFIER BLOCK DAIGRAM



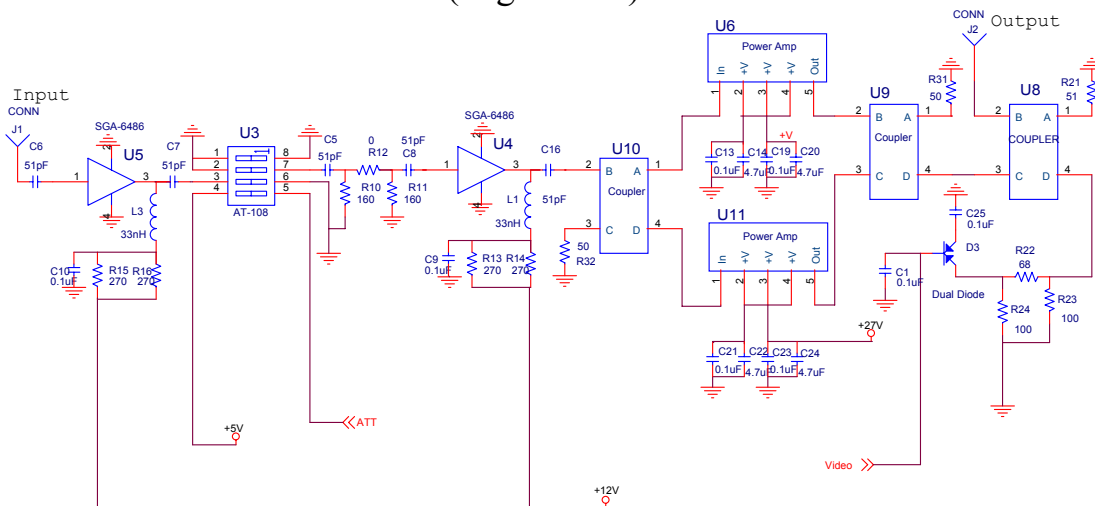
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Uplink power amplifier:

This is a 16W 1dB compression amplifier operated up to 1W composite output power. The power is limited by AGC mechanism to keep system performance. The amplifier uses 28VDC, 1.7 AMP. Typ.

UPLINK POWER AMPLIFIER RF PATH CIRCUIT DIAGRAM

(Page 1 of 2)



Title		
Dual Power Amplifier		
Size	Document Number	Rev
A	300PA10304	0
Date:	Monday, December 10, 2001	Sheet 1 of 2

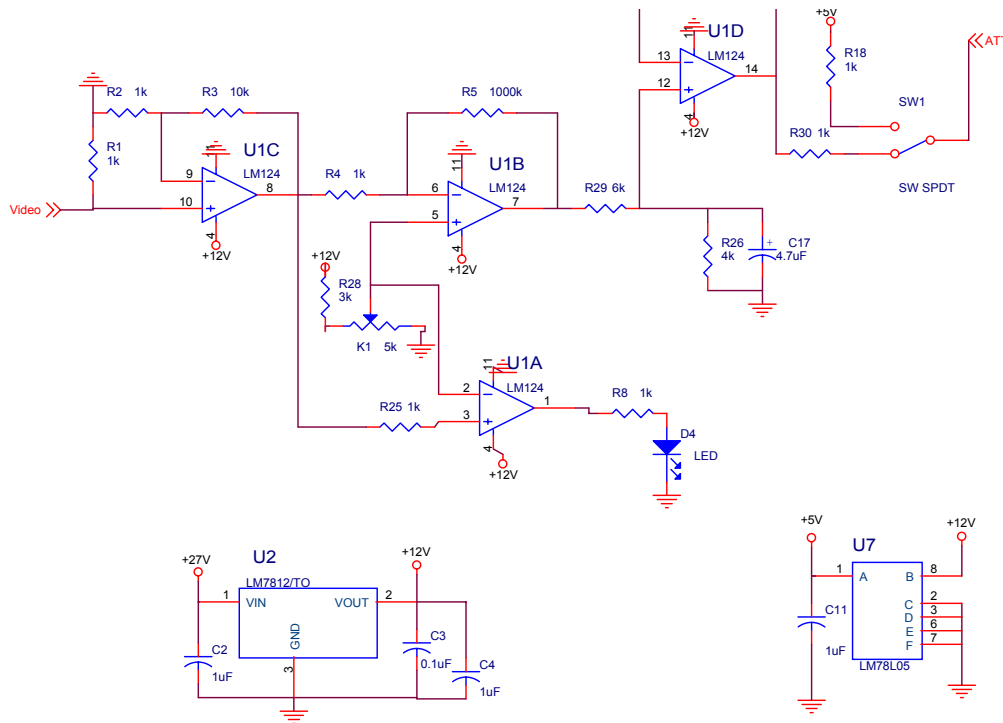


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UPLINK POWER AMPLIFIER

AGC CIRCUIT DIAGRAM

(Page 2 of 2)



Title			
Dual Power Amplifier			
Size A	Document Number	100PA1030	Rev 0
Date:	Monday, December 10, 2001	Sheet 2	of 2



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MECHANICAL LAYOUT

