

Tabelle1

Pass Aleph Variations Comparison

the recommended Source and Output Resistors make it easier to

Model	Rail V nominal	Rail V low / sagged	Bias A	Dissipation / Ch.	Peak current	Power 8R	Power 4R	FETs / Ch.	Heat per FET	Bias / FET	Source R*	Voltage drop		Output R	Output R total	Transformer suggestion
												Source R				
Aleph 3 - Stereo	24V x2	22.5 V x2	2.2	106 W	4.4A	28 W	39 W	4	26 W	1.1 A	0.47	0.5 V		4x 0.47		
Aleph 30 – Stereo	24V x2	22.5 V x2	2.2	106 W	4.4A	28 W	39 W	6	18 W	0.73 A	0.56	0.43 V		6x 0.56		toroidy.pl 2x19V 400VA
Aleph 4+4 8R - Stereo	30V x2	28 V x2	2.2	132 W	4.4A	46 W	39 W	8	17 W	0.55 A	0.68	0.38 V		5x 0.47		
Aleph 4+4 4R – Stereo	24V x2	22.5 V x2	2.7	130 W	5.4A	28 W	55 W	8	16 W	0.68 A	0.56	0.39 V		6x 0.39		toroidy.pl 2x19V 600VA
Aleph 4+4 Turbo 4R – Stereo	30V x2	28 V x2	2.7	160 W	5.4A	46 W	55W	8	20 W	0.68 A	0.68	0.43 V		6x 0.39	0.078608	toroidy.pl 2x19V 600VA

Remarks:

Aleph 5 - ??

Aleph 60 – Mono

Aleph 2 – Mono

Aleph 4 – Mono

Aleph 1.2 – Mono

Output Resistors value should be half the value of parallel sum of the source resistors of the current source

Source R: calculated to reach at least 0.4V DC through Source R

- even with sagged linear Power Supply

Around 0.4V DC on Source R is needed to achieve proper current limiter circuit function