

All FET low noise shunt regulator part list				
Value	Designator	Qty	Remark	
4.3	R1,R2	2	DALE RN60D 1%resistor	Constant current setting :
100	R23,R24	2	DALE RN60D 1%resistor	R1,R2=10R,current=60mA;
150	R3,R4,R5,R6	4	DALE RN60D 1%resistor	R1,R2=4.7R, current=120mA;
1K	R25,R26	2	DALE RN60D 1%resistor	R1,R2=4.3R,current=150mA;
2.2K	R19,R20	2	DALE RN60D 1%resistor	R1,R2=3.3R,current=200mA;
3.3K	R17,R18,R21,R22	4	DALE RN60D 1%resistor	R1,R2=2.2R,current=300mA.
8.2K	R11,R12	2	DALE RN60D 1%resistor	Heatsink has to be enlarged for large current accordingly.
10K	R13,R14,R15,R16	4	DALE RN60D 1%resistor	
250	R7,R9	2	DALE RN60D 1%resistor	
330	R8,R10	2	DALE RN60D 1%resistor	
47pF	C17,C18	2	Silver Mica	
0.01uF/100V	C21-C28	8	Ceramic or film capacitor	
0.1uF/63V	C7,C8,C11,C12,C13,C14	6	red WIMA MKPcapacitor	
0.15uF/63V	C9,C10	2	black WIMA MKPcapacitor	
47uF/50V	C1,C2,C4,C6	4	Nichcon Muse KZ E-cap	
100uF/25V	C3,C5,C15,C16	4	Nichcon Muse KZ E-cap	
4700-15000uF/50V	C19,C20	2	Nichicon Gold Tune/Elna for Audio	
10K-3296	Rp1,Rp2	2	BOURNS multiturn	
BC546B	Q13	1	PHILIPS BJT	
BC556B	Q1	1	PHILIPS BJT	
2SJ103	Q16,Q17	2	Toshiba low-noiseJFET	
2SK246	Q7,Q8	2	Toshiba low-noiseJFET	
2SJ109	Q10	1	Toshiba low noise dual JFET	
2SK389	Q9	1	Toshiba low noise dual JFET	
2SJ148	Q6	1	Toshiba low-noiseMOSFET	
2SK982	Q18	1	Toshiba low-noiseMOSFET	
2SK30GR	Q4,Q5,Q14,Q15	4	Toshiba low-noiseJFET	
IRF630	Q11,Q12	2	IR MOSFET	replace 2SK2013
IRF9630	Q2,Q3	2	IR MOSFET	replace 2SJ313
LM329DZ	D1,D2	2	NS voltage reference	
BYV27-200	D3-D10	8	Telefunken Superfast recovery Diode	
HeatSink	35mmX30mmX10mm	4	heatsink	
MKDS1.5-5.08		3	3 pin terminal block	
PCB	152mmX91mmX2mm	1	thick Au-plated PCB	