

RCA classic phono stage with MOSFER follower
Power supply and parts notes, and Bill of Materials (rev. Sept 30, 2019)

A = Allied, M = Mouser

For this document, most parts are Mouser sourced.

Qty	Part/Parameters	Location	Source	Source/Part #	\$/unit	\$ext
1	Transformer Power/Filament	PS/Filament transformer	A	Allied 6K1VF	23.04	
2	Ferrite Beads	PS primaries		Jim McShane?		
7-10 Get several	UF4007 Diode	Diode bridge, neg side	M	Mouser Fairchild 512-UF4007	0.35	
2	Schottky diode, 600 PIV 2A	Diode bridge, positive side	M	Mouser (Infineon) 726- IDH03SG60CXKSA2	2.09	
1	10 nF 1600V cap [1000V Okay]	parallel with neg. side of bridge	M	Mouser 667-ECW-HA3C103J	0.86	
1	Filter cap, 10 uF 450V electrolytic	1st filter cap	M	Mouser 647- UVZ2W100MHD	0.81	
1	Filter power resistor, inductive 12 W or 20W	R in CRC filter	M	12W Mouser 588-B12J1K0E 20W Mouser 588-B20J1K0E	5.50 6.19	
1	Filter cap, 100 uF 450V, electrolytic	2nd filter cap	M	Mouser 5985-381- 450V100 [snap in] 647-UPZ2W101MHD [radial leads]	3.95 3.70	
2	High voltage reg LR8N3-G	B+ regulators for each leg	M	Mouser 689-LR8N3-G	0.60	
2 each	LR8 R2/R1 adjust resistors	R2 for each regulator	M	Mouser 470K 1/2W 756-MFR4-470KFI	0.16	
2 each		5K trimpot [set for about 2.3K on test]		Mouser 5K Trimpot 652-3006P-1-502-LF	2.08	
2	Cap: Cin for LR8	Cin for LR8 0.0033	M	Mouser PHE450KA4330JR05 Alternate: PHE426KK4330JR05	0,70 0.42	
3-4	Final filter post LR8 1.0 muF 450V	after LR8 for transients	M	Mouser: 505- MKP41.0/630/10 (Used in 12V reg supply too)	1.98	
*2	L/R leg diode	Left/right	M	Included in count above		

[illegible]