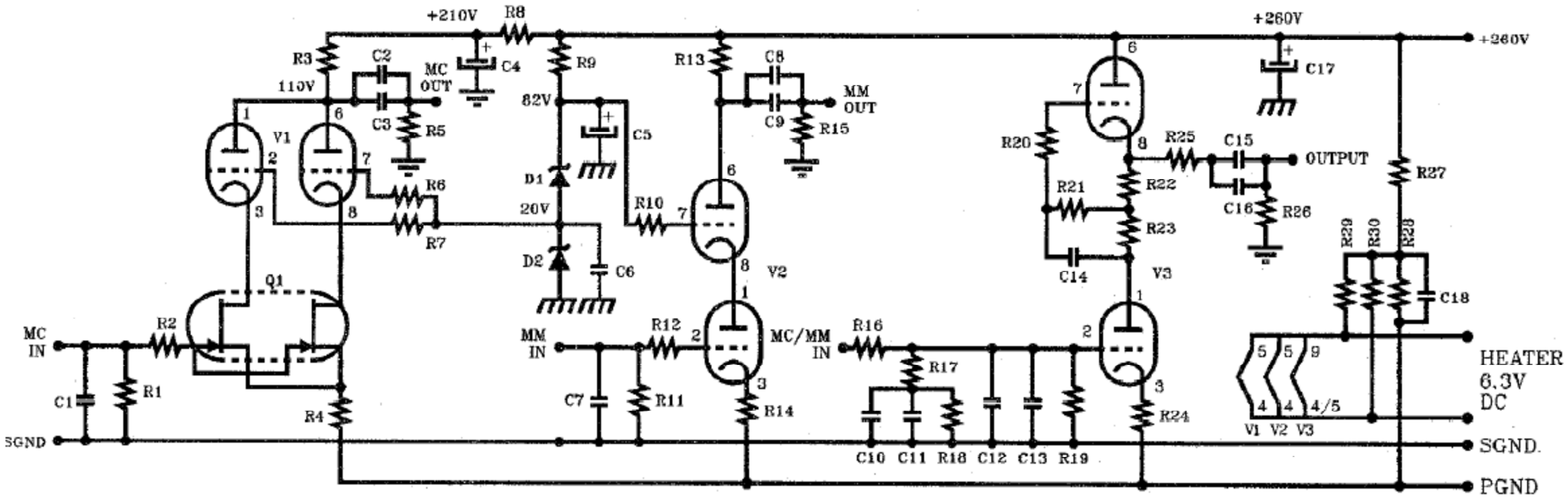


FIGURE 1: MC/MM phono preamplifier.

TABLE 1

PARTS LIST FOR PHONO PREAMPLIFIER

EB-1195/221

Resistors

R1, R11**	47k5
R2	2.21Ω
R3, R13	10k, 1%, 2W, ROE MK-8
R4	12.1Ω, adjusted for 10mA
R5, R15, R21, R26**	1M
R6, R7, R10**	1k
R8*	3k3, 4.5W, ROE WK-8
R9	33k, 4.5W, ROE WK-8
R12, R20, R25**	47.5Ω
R14**	150Ω
R16**	75k
R17**	8.25k
R18	412k
R19	2M20
R22, R24**	825Ω
R23**	10k, 2.3W, ROE WK-5
R27	150k, 1.4W, ROE WK-4
R28	100k, 1.4W, ROE WK-4
R29, R30	470Ω, 1.1W ROE WK-2

All resistors are ½W, 1% metal film, unless otherwise noted.

Capacitors

C1, C11	2200pF, 160V or 630V, PP
C2, C8, C12, C15	10nF, 160V or 630V, PP
C3, C9, C14	0.22µF, 400V, WIMA MKP-10
C4, C17	10µF, 450V, ROE EKO
C5	47µF, 100V, ROE EKO
C6, C18	0.1µF, 400V, WIMA MKP-10
C7	100pF, 160V or 630V, PP
C10	39nF, 1%, 63V, RIFA PHE 425
C13	3.3nF, 160V or 630V, PP
C16	1µF, 250V, WIMA MKP-10

JFET, Tubes, Diodes

Q1	2SK146BL, or 2x2SK147BL matched
V1, V2	6922/E88CC Russian
V3	ECC83/E83CC Tungsram
D1	62V, 1W zener, ZPY62
D2	20V, 1W zener, ZPY20

Miscellaneous

6	9-pin ceramic sockets with gold-plated contacts
30	1.3mm solder pins
2	EB-1195/221 PCB