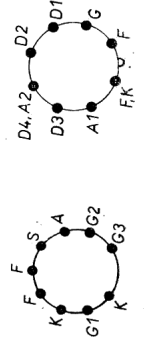


EF183
EF80

7QR 20 S

KY 130/900



GA 201



Vstup vertikálního zesilovače
Вход вертикального усилителя
Input of the vertical amplifier

jas
Яркость
Brightness

Časová základna
Развертка времени
Time base

Vstup horizontálního zesilovače
Вход горизонтального усилителя
Input of the horizontal amplifier

Transformers and coils:

Component	Designation	Drawing No.	Winding	No. of tap	No. of turns	Wire ϕ in mm		
Mains transformer coil		1AN 661 89	L1A	1-2	812	0.265		
		1AK 622 91	L1B	3-4	812	0.265		
			L1C	4-5	74	0.375		
			L2	6-7	53	0.850		
			L3A	8-9	2345	0.100		
			L3B	9-10	2345	0.100		
			L3C	10-11	550	0.100		
			L4	12-13	52	0.600		
		Choke coil	L5	1AN 652 28			132	0.300
		Choke coil	L6	1AN 652 27			148	0.150

Components marked 1AN... are specially selected for use in the scilloscope.

Other electrical components:

Component	Type - Value	Drawing No.
Tube E1, E3	EF80	
Tube E2	EF183	
Tube E4	7QR20S	
Tube E5	GA201	
Diode E6 - E9	KY130/900	
Selenium rectifier V1		1AN 744 19
Fuse cartridge P1	F 160 mA for 220 V	ČSN 35 4733.2
Fuse cartridge P1	F 315 mA for 120 V	ČSN 35 4733.2

No.	Type	Value	Max. DC voltage V	Tolerance \pm %	Standard ČSSR
C17	Paper	15 000 pF	400	10	TC 193 15k/A
C18, C23	Electrolytic	50 μ F/50 μ F	250/250	—	TC 517b 50/50M
C19	Paper	0.22 μ F	400	—	TC 183 M22
C20	P. E. T.	0.1 μ F	400	—	TC 276 M1
C21	Paper	0.22 μ F	400	—	TC 183 M22
C22	Mica	100 pF	500	—	TC 210 100
C24	Paper	47 000 pF	400	—	TC 193 47k
C25	Mica	270 pF	500	10	TC 210 270/A
C26	P. E. T.	68 000 pF	400	—	TC 276 68k
C27	P. E. T.	68 000 pF	400	—	TC 276 68k
C28	P. E. T.	68 000 pF	400	—	TC 276 68k
C29	Paper	0.15 μ F	630	—	TC 184 M15
C30	Paper	68 000 pF	400	—	TC 193 68k
C31	Paper	22 000 pF	400	—	TC 193 22k
C32	Mica	10 000 pF	500	—	TC 213 10k
C33	Mica	3 300 pF	500	—	TC 213 3k3
C34	Mica	1 000 pF	500	—	TC 213 1k
C35	Mica	330 pF	500	—	TC 210 330
C36	Mica	120 pF	500	10	TC 210 120/A
C37	Mica	33 pF	500	10	TC 210 33/A
C38	P. E. T.	68 000 pF	400	—	TC 276 68k
C39, C40	Electrolytic	50/50 μ F	450/450	—	TC 521a 50/50M
C41	Electrolytic	20 μ F	450	—	TC 521a 20M
C42	Paper	47 000 pF	400	—	TC 193 47k
C43	Ceramic	2.2 pF	350	—	TK 650 2j2
C44	Trimmer	0.4 - 6 pF	400	—	1AK 701 22
C45	Mica	1 200 pF	500	10	TC 213 1k2/A
C46	Trimmer	0.4 - 6 pF	400	—	1AK 701 22
C47	Mica	3 900 pF	500	10	TC 213 3k9/A
C48	Block	2 μ F	160	—	TC 453a 2M
C49	P. E. T.	4 700 pF	400	—	TC 276 4k7
C50	Mica	100 pF	500	—	TC 210 100
C51	Ceramic	1 pF	350	1	TK 656 1/D

11. LIST OF ELECTRICAL COMPONENTS

Resistors:

No.	Type	Value	Max. load W	Tolerance ± %	Standard ĆSSR
R1	Film	1 MΩ	0.125	20	TR 212 1M/M
R2	Film	110 kΩ	0.125	10	TR 212 M11/K
R3	Film	10 kΩ	0.125	10	TR 212 10k/K
R4	Film	2 MΩ	0.25	10	TR 214 2M/K
R8	Film	330 kΩ	0.125	10	TR 212 M33/K
R9	Film	33.2 kΩ	0.125	1	TR 161 33k 2D/I
R10	Film	20 kΩ	0.5	5	TR 152 20k/B
R11	Film	2.7 kΩ	0.5	10	TR 152 2k7/A
R12	Film	100 Ω	0.25	10	TR 151 100/A
R13	Film	22 kΩ	2	10	TR 154 22k/A
R14	Film	6.8 kΩ	2	10	TR 154 6k8/A
R15	Film	22 kΩ	1	10	TR 153 22k/A
R16	Film	270 kΩ	0.5	10	TR 152 M27/A
R17	Film	330 Ω	0.25	10	TR 151 330/A
R18	Film	18 kΩ	1	10	TR 153 18k/A
R19	Film	100 kΩ	0.25	10	TR 151 M1/A
R20	Film	33 kΩ	1	10	TR 153 33k/A
R21	Film	1 MΩ	0.25	10	TR 151 1M/A
R22	Film	1 kΩ	0.25	10	TR 151 1k/A
R23	Film	12 kΩ	1	10	TR 215 12k/K
R24	Film	120 Ω	0.25	10	TR 151 120/A
R25	Potentiometer	1 MΩ	0.5	—	TP 280b 32A 1M/N
R26	Potentiometer	680 kΩ	0.3	—	TP 110 M68
R27	Potentiometer	1 MΩ	0.5	—	TP 280b 32A 1M/N
R28	Film	270 kΩ	0.25	10	TR 151 M27/A
R29	Film	2.7 MΩ	0.25	10	TR 151 2M7/A
R30	Potentiometer	2.5 MΩ	0.5	—	TP 280b 20A 2M5/N
R31	Film	3.9 kΩ	0.5	10	TR 144 3k9/A
R32	Film	12 kΩ	0.5	10	TR 144 12k/A
R33	Potentiometer	220 kΩ	0.2	—	TP 110 M22
R34	Film	330 kΩ	0.5	10	TR 144 M33/A
R35	Potentiometer	250 kΩ	0.5	—	TP 280b 32A M25/N
R36	Potentiometer	150 kΩ	0.2	—	TP 110 150k
R37	Potentiometer	100 kΩ	0.5	—	TP 281b 32A M1/N
R38	Film	680 Ω	2	5	TR 154 680/B
R39	Film	820 Ω	—	—	WK 669 44 820

No.	Type	Value	Max. load W	Tolerance ± %	Standard ĆSSR
R40	Potentiometer	100 kΩ	0.5	—	TP 280b 20A M1/N
R41	Film	3.3 MΩ	0.5	10	TR 152 3M3/A
R42	Film	220 Ω	0.25	10	TR 151 220/A
R43	Film	270 Ω	0.25	10	TR 151 270/A
R45	Film	3.3 kΩ	0.125	10	TR 212 3k3/K
R46	Film	1 MΩ	0.25	2	TR 106 1M/C
R47	Film	1 kΩ	0.125	10	TR 212 1k/K
R48	Film	47 kΩ	0.25	5	TR 106 47k/B
R49	Film	10 Ω	0.25	5	TR 106 10/B
R50	Film	680 kΩ	1	10	TR 146 M68/A
R53	Film	1.2 kΩ	0.125	10	TR 112a 1k2/A
R54	Film	18 kΩ	0.25	10	TR 151 18k/A
R55 - R58	Film	0.1 MΩ	0.25	—	TR 151 M1
R59	Film	18 Ω	0.125	10	TR 212 18R/K

Capacitors:

No.	Type	Value	Max. DC voltage V	Tolerance ± %	Standard ĆSSR
C1	Paper	0.15 μF	630	—	TC 184 M15
C2	Mica	33 pF	500	—	TC 210 33
C3	Mica	390 pF	500	10	TC 210 390/A
C4	Trimmer	0.4 - 6 pF	400	—	1AK 701 22
C5	Trimmer	0.4 - 6 pF	400	—	1AK 701 22
C6	Trimmer	0.4 - 6 pF	400	—	1AK 701 22
C7	Trimmer	0.4 - 6 pF	400	—	1AK 701 22
C8	Mica	270 pF	500	10	TC 211 270/A
C9	Mica	120 pF	500	—	TC 210 120
C10	Mica	47 pF	500	10	TC 210 47/A
C11	Mica	270 pF	500	10	TC 210 270/A
C12	Mica	2 200 pF	500	—	TC 213 2k2
C13	Paper	10 000 pF	400	10	TC 193 10k/A
C14	Mica	120 pF	500	10	TC 210 120/A
C15	Mica	750 pF	500	5	TR 154 680/B
C16	Mica	6 800 pF	500	—	TC 213 6k8