

K200 BOM (3.2.2015)

Qty	Reference	Value	Description	Footprint	Comment
1	R1	100K	Metal film 0207 0.6W 1%	RM10	
2	R2,R3	680R	Metal film 0207 0.6W 1%	RM10	
2	R4,R5	150R	Metal film 0207 0.6W 1%	RM10	
2	R6,R7	100R	Metal film 0207 0.6W 1%	RM10	R6 - use 200R trim for DC balance setting
2	R8,R9	22K	Metal film 0207 0.6W 1%	RM10	
2	R10,R11	10R	Metal film 0207 0.6W 1%	RM10	
4	R13-R16	220R	Metal film 0207 0.6W 1%	RM10	
2	R17,R18	330R	Metal film 0207 0.6W 1%	RM10	
1	R19	0R	Null resistor 0207	RM10	
4	R20,R21,R49,R50	22R	Metal film 0207 0.6W 1%	RM10	
2	R22,R23	27R	Metal film 0207 0.6W 1%	RM10	
1	R24	47R	Metal film 0207 0.6W 1%	RM10	
6	R25-R30	2R2	Metal film 0207 0.6W 1%	RM10	
12	R31-R42	0R47	Metal film 0414 2W 5%	RM15	
3	R43,R101,R102	10R	Metal film 0414 2W 5%	RM15	
2	R45,R48	2K2	Metal film 0207 0.6W 1%	RM10	
2	R46,R47	3K3	Metal film 0207 0.6W 1%	RM10	
2	R103,R104	18K	Metal film 0207 0.6W 1%	RM10	
2	R105,R106	0R22	Wirewound ceramic 5W		radial mounting
2	R107,R108	47K	Metal film 0207 0.6W 1%	RM10	
1	P1	100R	Multi-turn cermet trim		Wishay 64Y
1	P2	10K	Multi-turn cermet trim		Wishay 64Y
2	C1,C2	100p/50V	ceramic cap	RM5	
1	C3	47p/500V	ceramic cap	RM5	
1	C4	1u/50V	Wima foil	RM5	
2	C5,C6	NC	ceramic cap	RM5	not connected
1	C7	100n/250V	foil cap	RM7.5	
4	C8,C9,C16,C17	220n/100V	foil cap	RM7.5	
8	C10,C11,C20,C21,C115-C118	100n/63V	foil cap	RM5	
2	C14,C15	6n8/100V	foil cap	RM5	
6	C12,C13,C18,C19,C113,C114	100u/63V	elyt low-esr	RM5, Ø10	
4	C105-108	470u/100V	elyt low-esr	RM7.5, Ø16	
4	C109-C112	330u(220u)/160V	elyt low-esr	RM7.5, Ø16	
4	C101-C104	10000u/63V	elyt snap-in	RM10, Ø35	
8	D1,D2,D101-D106	1N4007	diode	RM7.5	
6	D3-D8	BAV20,21	diode fast, low cap	RM7.5	
2	D107,D108	BZX85-C56	zener 56V	RM7.5	
1	BR1	KBJ2506	bridge rectifier 600V/25A		
2	T1,T10	KSA1381	pnp transistor	TO-126	Fairchild
2	T2,T9	KSC3503	nnp transistor	TO-126	Fairchild
3	T3,T4,T8	MJE350	pnp transistor	TO-126	Fairchild
3	T5,T6,T7	MJE340	nnp transistor	TO-126	Fairchild
1	T11	2SC5171	nnp transistor	TO-220-3 FP	Toshiba
1	T12	2SA1930	pnp transistor	TO-220-3 FP	Toshiba
3	T13,T14,T15	NJW0281G	nnp transistor	TO-3P	ON Semiconductor
3	T16,T17,T18	NJW0302G	pnp transistor	TO-3P	ON Semiconductor
1	T19	KSC1845	nnp transistor	TO-92	Fairchild
1	T20	KSA992	pnp transistor	TO-92	Fairchild
1	T101	2SC4793	nnp transistor	TO-220-3 FP	Toshiba
1	T102	2SA1837	pnp transistor	TO-220-3 FP	Toshiba
2	F1,F2	8A	fuse 5x20mm		
2	F3,F4	200mA	fuse 5x20mm		
4			fuse holder 5x20mm	RM22.5	Schurter
1	HDR1	MLW14G	box header 2x7 pin		
5	X1-X5	AK700/2	screw terminal		or use WAGO256
2	HS1,HS2		TO-220 heat sink		
1	SW		switch DIP 02		