

Component-No.	Quantity:	Value:	SMD/ THT	Footprint/ Spacing:	Specification/ Tolerance:	Specification 2:	Remark:	Manufacturer1:	Manufacturer 1 Part- Number:
<b>PCB-Board</b>	1	FR4		117,5x79,4 mm	2-Layer; 70µm; red; HASL Leadfree			PCB-Cart	
<b>Active</b>									
D1-D4	4	<b>1N5059...5062</b>	THT	DO-15	2A/1000V	Rectifier Diode			
		1N 5401...5407		DO-201AD	3A/1000V				
		BY 251...255		DO-201	3A/1000V				
		<b>BY 550/100...400</b>		DO-201AD	5A/1000V				
<b>Passives:</b>									
C5,C10, C15, C18	4	<b>1,0 nF/500V</b>	THT	RM: 5 mm	Ceramic Disc or ML	Ceramic Disc	Stdd.		
C1,C2, C13, C17	4	<b>10 nF/500V</b>	THT	RM: 5 mm		Ceramic Disc	Stdd.		
C4,C9	2	<b>100 nF/400V</b>	THT	RM: <b>7,5 and 15 mm</b>	Dia: 6x18 mm	Polyester-Film	rectangular	WIMA	MKS4G041 006B
C6,C7	2	100 nF... <b>1.000 nF/ 250 VAC</b>	THT	RM: 15 mm <b>and</b> 22,5 mm	Class X2 or Y2	Polypropylen- Film		Vishay Panasonic WIMA	
C12, C16	2	<b>1,0 µF/400V</b>	THT	RM: <b>27,5 mm</b>	Dia: 21x27,5 mm	Polyester-Film	rectangular	WIMA	MKS4G041 006B
		<b>1,0 µF/ 250 VAC</b>	THT	RM: 22,5 mm	Class X2	Polypropylen- Film		Vishay Panasonic WIMA	
C11, C14	2	<b>10 µF/400V</b>	THT	RM: <b>27,5 mm</b>	Dia: 17x31,5 mm	Polyester-Film	rectangular	WIMA / Kemet	MKS4G046 806I / 399- 12816-ND

C11a, C14a (Alternative)		10 µF/400 V	THT	RM: 5 mm Dia: 10 mm	Height:16 mm 0,8 mm Leads	Aluminium Eletrolytic	radial	Nippon Chemicon	EKXJ401E□□10
C3	1	100 µF/400 V	THT	RM: 7,5 mm Dia: 16 mm	Height:38,5 mm 0,8 mm Leads	Aluminium Eletrolytic	radial	Nippon Chemicon	EKXJ401E□□10
C8	1	820 µF/400 V	THT	RM: 10 mm	Height: 45 mm	Aluminium	Mounting	Nippon	ELXRS401VSN 821MA45S
		820 µF/400 V	THT	RM: 10 mm Dia: 35 mm	Height: 50 mm 2,0 mm Leads	Aluminium Eletrolytic	radial	Nippon Chemicon	ELXS401VSN 821MA50S
L1 (Common- Mode Choke)	1	47 mh / 0,5 A	THT	2x (12,5x20 mm)	22,5x20 mm O.D.	Low Current / High Induct.	Encapsulate d Toroidal	Talema	CAF-0.5- 47
		100 mH / 0,4 A	THT	2x (12,5x20 mm)	22,5x20 mm O.D.	Low Current / High Induct.	Encapsulate d Toroidal	Talema	CAF-0.4- 100
L2, L4	2	100 µH/0,5...2 A	THT	RM: 7 mm Dia: 12,5mm	0,8 mm Leads	High-Current / Medium Inductance	cylindrical Ferrite	Fastron	09HCP- 101X-50
L3, L5	2	10 µH/2,6A	THT	RM: 5 mm			cylindrical Ferrite	Fastron	
		10 µH/3,5A	THT	RM: 5 mm			cylindrical Ferrite	Fastron	
		10 µH/6,6A	THT	RM: 5 mm			cylindrical Ferrite	Fastron	
		10 µH/0,68A	THT	RM: 2,5 mm	standing!	High-Current / Medium Inductance	axial Ferrite	Fastron	
		10 µH/1,4A	THT	RM: 2,5 mm	standing!	High-Current / Medium Inductance	axial Ferrite	Fastron	
		10 µH/0,23A	THT	RM: 2,5 mm	standing!	High-Current / Medium Inductance	axial Ferrite	Fastron	
R1, R2	2	1...2x33 Ohm	THT	RM: 50 mm	Wirewound	5...11W		Vitrohm	H214-8- R33
R3	1	1MegOhm	THT	0212	Metal-Oxide	1...2W			
<b>Mechanical:</b>									
X1, X2, X3, X4	4	ScrewTerminals, 7,5mm/500V	THT	0,3"	2 pin Terminal	>400V			
<b>Other:</b>									
Shielding box	1	Weissblech- Gehäuse		74x148x50 mm	Tin-plated			Schubert	