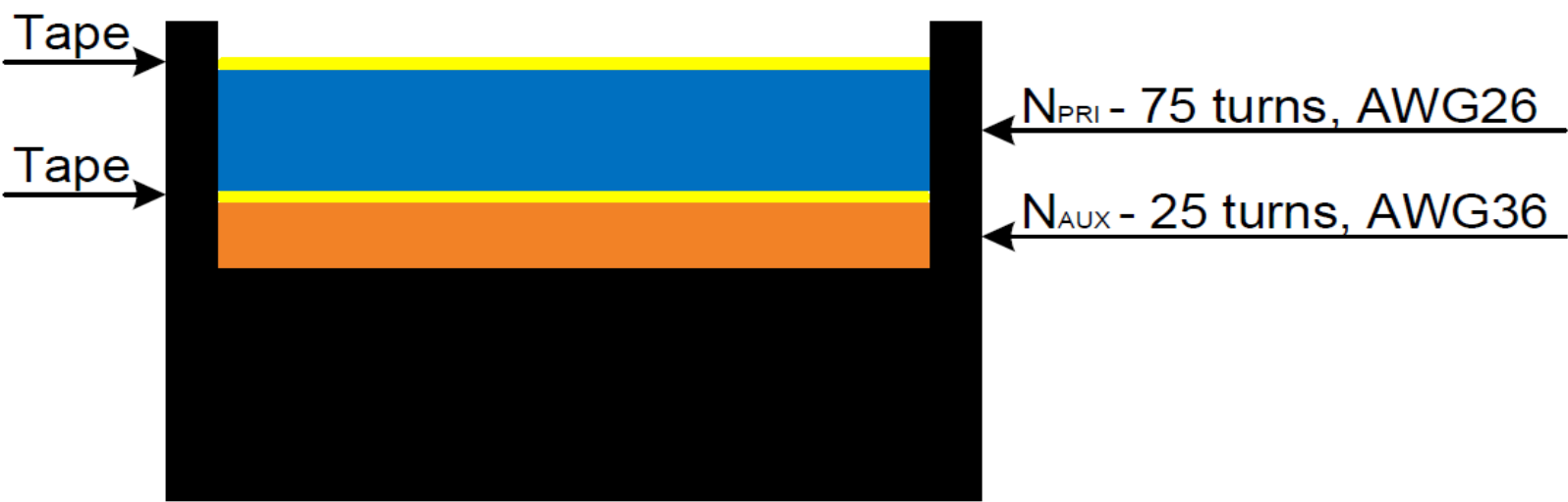


					43
Item	Designator	Description	Manufacturer	PartNumber	Quantity
1	C1	DLP	DLP	DLP	0
2	C2	CAP, Film, 0.047uF, 310Vac, +/-10%, TH	Vishay	BFC233920473	1
3	C3	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	MuRata	GRM32ER71H106KA12L	1
4	C4	CAP, CERM, 2.2uF, 16V, +/-10%, X7R, 0805	MuRata	GRM21BR71C225KA12L	1
5	C5	DLP	DLP	DLP	0
6	C6, C7	CAP, Film, 0.1uF, 630V, +/-5%, TH	Panasonic	ECW-F6104JL	2
7	C8	CAP, CERM, 68pF, 630V, 5%, U2J, 1206	MuRata	GRM31A7U2J680JW31D	1
8	C9	CAP AL, 100uF, 100V, +/-20%, ?ohm, 10x25mm, TH	Nichicon	UHE2A101MPD	1
9	C10	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	MuRata	GRM32ER72A225KA35L	1
10	C11	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	MuRata	GRM188R71H104KA93D	1
11	D1	Diode, Switching-Bridge, 600V, 0.8A, MiniDIP	Diodes Inc.	RH06-T	1
12	D2	Diode 300V, 0.2A, 50nS, SOD-123	Diodes Inc.	BAV3004W-7-F	1
13	D3	Diode, Ultrafast, 75V, 0.15A, SOD-523F	Comchip	CDSU4148	1
14	D4	DIODE TVS 400V 400W UNI 5% SMA	Littelfuse	SMAJ400A	1
15	D5	Diode, Ultrafast, 600V, 3A, SMB	ST	STTH3R06	1
16	F1	Fuse - Rectangular, Slo-Blo, 1.6A, 250V	Multicomp	MST 1.6A 250 V	1
17	L1, L5	DLP	DLP	DLP	0
18	L2, L3	Inductor, Drum Ferrite 680uH 0.32A, 1.5 ohm, TH	TDK	TSL0808RA-681KR32-PF	2
19	L4	Inductor, Drum Ferrite 1mH 0.26A, 2.2ohm, TH	TDK	TSL0808RA-102KR26-PF	1
20	Q1	BJT NPN 45V, 0.5A, hfe=160-400, SOT-23	NXP	BC817-25	1
21	Q2	MOSFET N-CH, 5A, 600V, IPAK	ST	STU7NM60N	1
22	R1, R2, R17, R21, R22	RES, 0 ohm, 5%, 0.25W, 1206	Vishay-Dale	CRCW12060000Z0EA	5
23	R3, R4, R10	RES, 28.0k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW120628K0FKEA	3
24	R5, R6, R7	RES, 100k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206100KFKEA	3
25	R8	RES, 10.0 ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW080510R0FKEA	1
26	R9	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	1
27	R11	RES, 66.5k ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW080566K5FKEA	1
28	R12	RES, 11.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060311K0FKEA	1
29	R13	RES, 4.87k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06034K87FKEA	1
30	R14	RES, 5.23k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06035K23FKEA	1
31	R15	RES, 200k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206200KFKEA	1
32	R16	DLP	DLP	DLP	0
33	R18	RES, 0.5 ohm, 1%, 0.5W, 1206	Stackpole Electronics Inc	CSR1206FKR500	1
34	R19	DLP	DLP	DLP	0
35	R20	RES, 750k ohm, 1%, 0.25W, 1206	Vishay-Dale	CRCW1206750KFKEA	1
36	T1	Transformer ER25/10			1
37	U1	Off-Line Primary Side Sensing Controller with PFC	Texas Instruments	TPS92310	1
38	VDR1	VARISTOR 275V RMS 7MM RADIAL	EPCOS	S07K275E2	1

Transformer specification and building construction

Core: WURTH MIDCOM ER25/10  
Core material: TDG TP4A or equivalent  
Bobbin: WURTH MIDCOM 10Pin horizontal bobbin  
Primary Inductance: 708uH ± 10% at 50kHz, 25°C



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