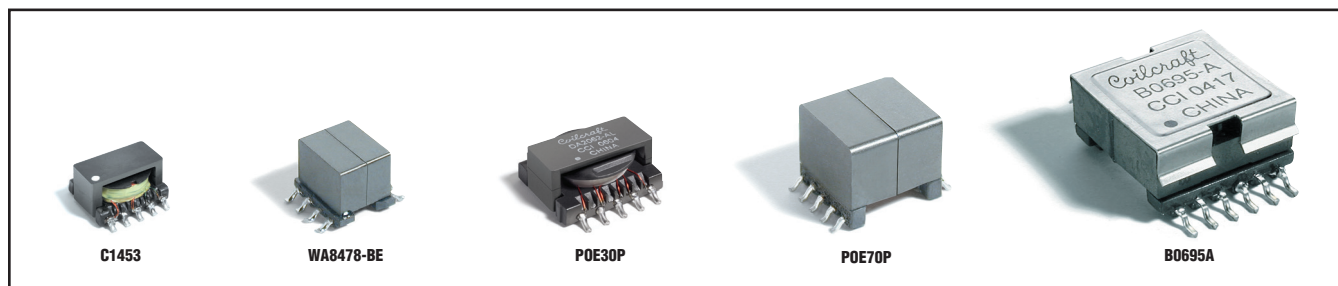




# Flyback Transformers

For complete specifications see [www.coilcraft.com](http://www.coilcraft.com)



This list of dc-dc and off-line switching converter transformers are stocked for immediate delivery and may be sampled at no cost. They are organized by input and sorted by output. These transformers also operate well in applications with power levels other than those shown and at a wide range of frequencies. The nominal frequency and circuit reference are only provided as a guide.

A selection of flyback transformers designed as capacitor chargers and dc to ac inverters are shown on page 5.

If no transformer shown here meets your design criteria, consult Document 627 “[Coilcraft Structured Design Guide for Switching Transformers](#)” for a step-by-step guide to transformer design, or contact Coilcraft for assistance.

Part number	Power (W)	Output	Aux / bias	Nominal freq. (kHz)	Turns ratio		L at 0 A (µH)	DCR (Ohms)			Schem	Mounting	Designed for
					pri : sec	pri : aux / bias		pri	sec	aux / bias			
<b>Wide input (4.5 – 1000 Vdc)</b>													
WA8478-BE	0.5	24 V, 0.02 A	—	100	1 : 1	—	275	1.2	2.46	—	A	SM	Analog Devices ADP1031
YA9293-AL	0.5	24 V, 0.02 A	—	250	1 : 1	—	300	1.2	0.785	—	A	SM	Analog Devices ADP1031
ZA9384-AL	1.08 - 5.04	6 – 28 V, 0.18 A	—	100	1 : 1	—	470	1.1	1.6	—	A	SM	Analog Devices ADP1032
ZA9644-AE	1.08 - 5.04	6 – 28 V, 0.18 A	—	100	1 : 1	—	470	1.8	1.8	—	A	SM	Analog Devices ADP1032
YA8864-BL	3.5	20 V, 0.10 A 5 V, 0.30 A	—	300	1 : 1.5 1 : 0.40	—	30	0.180	0.680 0.180	—	B	SM	TI LM5180-Q1
YA8916-BL	4.6	15 V, 0.20 A 8 V, 0.20 A	—	300	1 : 1 1 : 0.52	—	30	0.360	0.695 0.392	—	B	SM	TI LM5180-Q1
YA8779-BL	6.0	5 V, 1.20 A	—	300	1 : 0.330	—	30	0.140	0.013	—	A	SM	TI LM5180-Q1
UA8263-AL	24	12 V, 2 A	—	333	1 : 0.5	1 : 0.5	35	0.010	0.009	0.090	D	SM	TI TIDA-01344
WA8759-AL	60	15 V, 4 A	20 V, 35 mA 5 V, 35 mA	150	1 : 0.083 1 : 0.109 1 : 0.026	—	1.5	3.1	0.070	1.30 0.34	P	SM	TI TIDA-01505
<b>Telecom input (36 – 72 Vdc)</b>													
B0226-EL	2.0	12 V, 167 mA 12 V, 3 mA	—	1000	1 : 0.36 1 : 0.36	—	120	0.364	0.248 0.248	—	B	SM	On Semi NCP1030
POE30P-33L	3.0	3.3 V, 0.91 A	12 V, 20 mA	250	1 : 0.19	1 : 0.70	310	1.02	2.01	0.066	D	SM	PoE
C1590-AL	3.0	3.3 V, 0.91 A	12 V, 20 mA	250	1 : 0.19	1 : 0.70	310	1.02	2.01	0.066	D	SM	TI LM5070
POE30P-50L	3.0	5.0 V, 0.6 A	12 V, 20 mA	250	1 : 0.28	1 : 0.70	310	1.02	2.01	0.118	D	SM	PoE
C1591-AL	3.0	5.0 V, 0.6 A	12 V, 20 mA	250	1 : 0.28	1 : 0.70	310	1.02	2.01	0.118	D	SM	TI LM5070
POE30P-12L	3.0	12 V, 0.25 A	12 V, 20 mA	250	1 : 0.70	1 : 0.70	310	1.04	2.01	0.70	D	SM	PoE
C1592-AL	3.0	12 V, 0.25 A	12 V, 20 mA	250	1 : 0.70	1 : 0.70	310	1.04	2.01	0.70	D	SM	TI LM5070
POE60F-18L	6.0	1.8 V, 3.3 A	12 V, 20 mA	250	1 : 0.07	1 : 0.36	75	0.195	0.005	0.195	D	SM	PoE
POE60C-18L	6.0	1.8 V, 3.3 A	12 V, 20 mA	250	1 : 0.063	1 : 0.344	167	0.303	0.017	0.57	D	SM	PoE
POE60D-18L	6.0	1.8 V, 3.3 A	12 V, 20 mA	250	1 : 0.063	1 : 0.344	75	0.311	0.018	0.575	D	SM	PoE
POE60F-25L	6.0	2.5 V, 2.4 A	12 V, 20 mA	250	1 : 0.08	1 : 0.33	55	0.095	0.005	0.15	D	SM	PoE
POE60C-25L	6.0	2.5 V, 2.4 A	12 V, 20 mA	250	1 : 0.083	1 : 0.333	177	0.353	0.027	0.66	D	SM	PoE
POE60D-25L	6.0	2.5 V, 2.4 A	12 V, 20 mA	250	1 : 0.083	1 : 0.333	80	0.219	0.018	0.388	D	SM	PoE
POE60F-33L	6.0	3.3 V, 1.8 A	12 V, 20 mA	250	1 : 0.11	1 : 0.36	65	0.138	0.007	0.18	D	SM	PoE
POE60C-33L	6.0	3.3 V, 1.8 A	12 V, 20 mA	250	1 : 0.100	1 : 0.333	184	0.286	0.026	0.515	D	SM	PoE
POE60D-33L	6.0	3.3 V, 1.8 A	12 V, 20 mA	250	1 : 0.100	1 : 0.333	85	0.285	0.026	0.53	D	SM	PoE
POE60F-50L	6.0	5.0 V, 1.2 A	12 V, 20 mA	250	1 : 0.15	1 : 0.35	60	0.130	0.009	0.165	D	SM	PoE
POE60C-50L	6.0	5.0 V, 1.2 A	12 V, 20 mA	250	1 : 0.143	1 : 0.343	193	0.344	0.043	0.66	D	SM	PoE
POE60D-50L	6.0	5.0 V, 1.2 A	12 V, 20 mA	250	1 : 0.143	1 : 0.357	90	0.271	0.033	0.529	D	SM	PoE
POE60F-12L	6.0	12 V, 0.5 A	12 V, 20 mA	250	1 : 0.35	1 : 0.35	55	0.095	0.017	0.15	D	SM	PoE
POE60C-12L	6.0	12.0 V, 0.5 A	12 V, 20 mA	250	1 : 0.333	1 : 0.333	204	0.293	0.083	0.545	D	SM	PoE
POE60D-12L	6.0	12.0 V, 0.5 A	12 V, 20 mA	250	1 : 0.333	1 : 0.333	95	0.265	0.074	0.484	D	SM	PoE
A0009-AL	6.6	3.3 V, 3 A	24 V	100	1 : 0.333	1 : 1	100	0.15	0.15	0.012	D	SM	TI LM5000
POE70P-33L	7.0	3.3 V, 2.12 A	12 V, 20 mA	250	1 : 0.19	1 : 0.667	155	0.414	0.822	0.036	D	SM	PoE
C1587-AL	7.0	3.3 V, 2.12 A	12 V, 20 mA	10	1 : 0.19	1 : 0.667	155	0.414	0.822	0.036	D	SM	TI LM5070
POE70P-50L	7.0	5.0 V, 1.4 A	12 V, 20 mA	250	1 : 0.262	1 : 0.667	155	0.414	0.822	0.06	D	SM	PoE



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# Flyback Transformers

Part number	Power (W)	Output	Aux / bias	Nominal freq. (kHz)	Turns ratio		L at 0 A (µH)	DCR (Ohms)			Schem	Mounting	Designed for
					pri : sec	pri : aux / bias		pri	sec	aux / bias			
<b>Telecom input (36 – 72 Vdc) continued</b>													
C1588-AL	7.0	5.0 V, 1.4 A	12 V, 20 mA	10	1 : 0.262	1 : 0.667	155	0.414	0.822	0.06	D	SM	TI LM5070
POE70P-12L	7.0	12 V, 0.6 A	12 V, 20 mA	250	1 : 0.667	1 : 0.667	155	0.414	0.822	0.343	D	SM	PoE
C1589-AL	7.0	12 V, 0.6 A	12 V, 20 mA	10	1 : 0.667	1 : 0.667	155	0.414	0.822	0.343	D	SM	TI LM5070
D1766-AL	10	3.3 V, 5 A 2.5 V, 1.5 A 1.8 V, 2.5 A	—	200	1 : 0.104 1 : 0.042 1 : 0.042	—	221	0.420	0.065 0.015 0.030	—	C	SM	Linear LTC4267
FA2671-AL	10	3.3 V, 3 A	—	400	1 : 0.33	—	40	0.098	0.062	—	A	SM	Silicon Labs Si3401, Si3402
FA2519-AL	10	3.3 V, 3.3 A	10 V, 20 mA	250	1 : 0.20	1 : 0.60	55	0.026	0.026	0.388	D	SM	TI LM5071, LM5072
FA2672-AL	10	5 V, 2 A	—	400	1 : 0.40	—	40	0.098	0.045	—	A	SM	Silicon Labs Si3401, Si3402
FA2732-AL	10	12 V, 0.83A	—	400	1 : 1	—	40	0.098	0.156	—	A	SM	Silicon Labs Si3401, Si3402
C1048-AL	13	5 V, 2 A	15 V, 0.2 A	250	1 : 0.12	1 : 0.47	94	0.210	0.010	0.453	D	SM	Linear LT1725
POE13F-18L	13	1.8 V, 7.2 A	12 V, 20 mA	250	1 : 0.07	1 : 0.36	45	0.195	0.005	0.195	D	SM	PoE
POE13F-25L	13	2.5 V, 5.2 A	12 V, 20 mA	250	1 : 0.08	1 : 0.33	35	0.095	0.005	0.150	D	SM	PoE
POE13F-33L	13	3.3 V, 3.9 A	12 V, 20 mA	250	1 : 0.11	1 : 0.36	40	0.138	0.007	0.180	D	SM	PoE
POE13P-33L	13	3.3 V, 4.0 A	12 V, 20 mA	250	1 : 0.166	1 : 0.50	127	0.255	0.310	0.024	D	SM	PoE
POE13F-50L	13	5.0 V, 2.6 A	12 V, 20 mA	250	1 : 0.15	1 : 0.35	40	0.130	0.009	0.165	D	SM	PoE
POE13P-50L	13	5.0 V, 2.6 A	12 V, 20 mA	250	1 : 0.25	1 : 0.50	127	0.222	0.348	0.039	D	SM	PoE
DA2362-AL	13	5.0 V, 2.6 A	12 V, 20 mA	250	1 : 0.25	1 : 0.594	127	0.222	0.039	0.405	D	SM	Freescale MC34670
GA3372-AL	13	5.0 V, 2.6 A	10 V, 20 mA	250	1 : 0.25	1 : 0.50	102	0.185	0.0175	0.270	D	SM	TI LM5015
POE13F-12L	13	12 V, 1.1 A	12 V, 20 mA	250	1 : 0.35	1 : 0.35	35	0.095	0.017	0.150	D	SM	PoE
POE13P-12L	13	12 V, 1.08 A	12 V, 20 mA	250	1 : 0.50	1 : 0.50	127	0.199	0.308	0.065	D	SM	PoE
POE13F-19L	13	19.5 V, 0.67 A	12 V, 20 mA	250	1 : 0.57	1 : 0.35	37	0.085	0.025	0.385	D	SM	PoE
POE13P-19L	13	19.5 V, 0.67 A	12 V, 20 mA	250	1 : 0.567	1 : 0.50	127	0.290	0.355	0.066	D	SM	PoE
POE13F-24L	13	24 V, 0.54 A	12 V, 20 mA	250	1 : 0.67	1 : 0.33	37	0.086	0.049	0.370	D	SM	PoE
POE13P-24L	13	24 V, 0.54 A	12 V, 20 mA	250	1 : 0.667	1 : 0.50	127	0.255	0.315	0.067	D	SM	PoE
B0695-AL	15	3.3 V, 4.5 A	12 V	10	1 : 0.23	1 : 0.69	110	0.133	0.004	0.656	D	SM	TI LM5020
C1023-AL	15	3.3 V, 4.5 A	24 V	10	1 : 0.19	1 : 0.69	110	0.139	0.005	0.656	D	SM	TI LM5070
FA2924-AL	15	3.3 V, 4.5 A	—	350	1 : 0.31	—	40	0.1	0.025	—	A	SM	Silicon Labs Si3401, Si3402
FA2805-CL	15	5.0 V, 3 A	—	350	1 : 0.40	—	40	0.108	0.04	—	A	SM	Silicon Labs Si3401, Si3402
FA2925-AL	15	12 V, 1.25 A	—	350	1 : 1	—	40	0.1	0.155	—	A	SM	Silicon Labs Si3401, Si3402
JA4641-AL	15	24 V, 0.625 A	—	200	1 : 2	—	40	0.10	0.275	—	B	SM	Silicon Labs Si3402
POE300F-33L	30	3.3 V, 9 A	12 V, 20 mA	250	1 : 0.09	1 : 0.33	42	0.060	0.037	0.195	D	SM	PoE plus
POE300F-50L	30	5.0 V, 6 A	12 V, 20 mA	250	1 : 0.14	1 : 0.33	42	0.060	0.055	0.195	D	SM	PoE plus
POE300F-12L	30	12 V, 2.5 A	12 V, 20 mA	250	1 : 0.33	1 : 0.33	42	0.070	0.0023	0.220	D	SM	PoE plus
A9967-AL	30	15 V, 2 A	12 V, 20 mA	100	1 : 0.67	1 : 0.33	90	0.135	0.0225	0.045	D	SM	Linear LT1726
MA5475-AL	30	15 V, 2 A	12 V, 20 mA	100	1 : 0.24	1 : 0.20	180	0.21	0.016	0.185	D	SM	Maxim MAX17595
POE300F-19L	30	19.5 V, 1.5 A	12 V, 20 mA	250	1 : 0.56	1 : 0.33	42	0.069	0.005	0.225	D	SM	PoE Plus
POE300F-24L	30	24 V, 1.25 A	12 V, 20 mA	250	1 : 0.67	1 : 0.33	42	0.061	0.015	0.195	D	SM	PoE Plus
<b>Telecom input (33 – 57 Vdc)</b>													
POE23PR-33ED	23	3.3 V, 3.5 A	10 V, 50 mA	200	1 : 0.125	1 : 0.375	54	0.062	0.0065	0.058	0	SM	PoE
POE30PR-50ED	30	5 V, 3 A	10 V, 50 mA	200	1 : 0.188	1 : 0.375	48	0.062	0.010	0.085	0	SM	PoE
POE36PR-12ED	36	12 V, 1.5 A	10 V, 50 mA	200	1 : 0.375	1 : 0.375	41	0.062	0.023	0.080	0	SM	PoE
<b>Telecom input (36 – 57 Vdc)</b>													
PA6595-AL	3.0	3.3 V, 0.9 A	12 V, 20 mA	250	1 : 0.14	1 : 0.465	310	1.14	0.025	1.58	F	SM	TI TPS23753A
C1453-AL	5.0	3.3 V, 1.5 A	10 V	1000	1 : 0.166	1 : 0.5	50	0.185	0.015	0.385	D	SM	TI PMP717
DA2062-AL	6.6	3.3 V, 2 A	14 V	400	1 : 0.1	1 : 0.4	120	0.475	0.0065	0.181	E	SM	Power Integrations DPA423G
HA3801-AL	10	3.3 V, 3 A	10 V, 20 mA	125	1 : 0.154	1 : 0.5	166.5	0.735	0.0225	0.985	F	SM	TI TPS23753
HA3802-BL	10	5.0 V, 2 A	10 V, 20 mA	125	1 : 0.25	1 : 0.444	150	0.52	0.0275	0.560	F	SM	TI TPS23753
NA6223-AL	10	5.0 V, 2 A	10 V, 10 mA	1	1 : 0.167	1 : 0.361	180	0.33	0.0135	0.230	F	SM	TI TPS23753A
PA6340-AL	10	5.0 V, 2 A	10 V, 20 mA	1	1 : 0.167	1 : 0.361	133	0.33	0.0135	0.230	F	SM	TI TPS23753A
HA3803-BL	10	12 V, 0.83 A	10 V, 20 mA	125	1 : 0.5	1 : 0.5	166.5	0.76	0.103	0.475	F	SM	TI TPS23753
CX9628-AL	12	5 V, 2.5 A	—	100	1 : 0.20	1 : 0.25	43.7	0.095	0.009	0.094	D	SM	MPS MP8007
CX9629-AL	12	12 V, 1.0 A	—	100	1 : 0.45	1 : 0.25	42.9	0.10	0.02	0.10	D	SM	MPS MP8007
CX9642-AL	30	5.0 V, 6 A	14.5 V, 25 mA	220	1 : 0.136	1 : 0.409	70.0	0.08	0.0027	0.36	D	SM	Si3406, Si34601, Si34062
CX9649-AL	12	24 V, 0.5 A	—	100	1 : 0.90	1 : 0.25	45.3	0.10	0.09	0.10	D	SM	MPS MP8007
HA3905-CL	12.5	5 V, 2.5 A	12 V, 20 mA	250	1 : 0.267	1 : 0.735	27	0.71	0.015	0.385	J	SM	Microsemi UC3844
GA3271-AL	13	10 V, 1.0 A	15 V, 20 mA	275	1 : 0.457	1 : 0.571	117.5	0.201	0.06	0.335	D	SM	Maxim MAX5941B
C1495-AL	13	3.3 V, 4.0 A	12 V, 20 mA	250	1 : 0.166	1 : 0.50	127	0.255	0.31	0.024	D	SM	TI LM5070
C1585-AL	13	5.0 V, 2.6 A	12 V, 20 mA	250	1 : 0.25	1 : 0.50	127	0.222	0.348	0.039	D	SM	TI LM5070
C1586-AL	13	12 V, 1.08 A	12 V, 20 mA	250	1 : 0.50	1 : 0.50	127	0.199	0.308	0.065	D	SM	TI LM5070
FA2706-BL	20	3.3 V, 6 A	10 V	250	1 : 0.147	1 : 0.412	77.8	0.155	0.008	0.382	F	SM	STMicro PM8800
FA2707-BL	20	5 V, 4 A	10 V	250	1 : 0.206	1 : 0.412	77.8	0.155	0.019	0.380	F	SM	STMicro PM8800
NA5730-AL	22.5	5 V, 4.5 A	12 V, 20 mA	250	1 : 0.125	1 : 0.29	62	0.107	0.004	0.122	F	SM	TI TPS23751/2
JA4372-AL	25	3.3 V, 7.6 A	11.2 V, 20 mA	250	1 : 0.08	1 : 0.28	75	0.143	0.0045	0.072	F	SM	TI TPS23754
JA4387-AL	25	12 V, 2.08 A	11.2 V, 20 mA	250	1 : 0.25	1 : 0.25	75	0.077	0.0098	0.096	F	SM	TI TPS23754
JA4456-DL	25	5 V, 5 A	12 V, 20 mA	250	1 : 0.182	1 : 0.409	70	0.070	0.0043	0.310	D	SM	TI TPS23752
GA3568-DL	30	3.3 V, 9.1 A	5 V, 20 mA	300	1 : 0.167	1 : 0.29	60	0.132	0.0055	0.220	F	SM	Akros AS1135
POE40Q-33ED	40	3.3 V, 11 A	12 V, 30 mA	250	1 : 0.143	1 : 0.50	33.3	0.064	0.002	0.104	D	SM	PoE
POE40Q-50ED	40	5 V, 7.3 A	12 V, 30 mA	250	1 : 0.214	1 : 0.50	33.3	0.066	0.004	0.102	D	SM	PoE



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# Flyback Transformers

Part number	Power (W)	Output	Aux / bias output	Nominal freq. (kHz)	Turns ratio		L at 0 A (μH)	DCR (Ohms)			Schem	Mounting	Designed for
					pri : sec	pri : aux / bias		pri	sec	aux / bias			
<b>Telecom input (36 – 57 Vdc) continued</b>													
POE40Q-12ED	40	12 V, 3 A	12 V, 30 mA	250	1 : 0.50	1 : 0.50	27.8	0.035	0.018	0.085	D	SM	PoE
POE40Q-24ED	40	24 V, 1.5 A	12 V, 30 mA	250	1 : 1	1 : 0.50	27.8	0.035	0.069	0.085	D	SM	PoE
POE40Q-48ED	40	48 V, 0.76 A	12 V, 30 mA	250	1 : 2	1 : 0.50	27.8	0.034	0.266	0.085	D	SM	PoE
POE51Q-33ED	51	3.3 V, 14.1 A	12 V, 30 mA	250	1 : 0.143	1 : 0.50	26.7	0.064	0.002	0.104	D	SM	PoE
POE51Q-50ED	51	5 V, 9.3 A	12 V, 30 mA	250	1 : 0.214	1 : 0.50	26.7	0.066	0.004	0.102	D	SM	PoE
POE51Q-12ED	51	12 V, 3.9 A	12 V, 30 mA	250	1 : 0.50	1 : 0.50	22.2	0.035	0.018	0.085	D	SM	PoE
POE51Q-24ED	51	24 V, 1.9 A	12 V, 30 mA	250	1 : 1	1 : 0.50	22.2	0.035	0.069	0.085	D	SM	PoE
POE51Q-48ED	51	48 V, 0.97 A	12 V, 30 mA	250	1 : 2	1 : 0.50	22.2	0.034	0.266	0.085	D	SM	PoE
NA6083-BL	100	5 V, 20 A	—	250	1 : 0.20	1 : 0.60	70	0.111	0.006	0.006	D	SM	PoE
POE62F-33ED	62	3.3 V, 17.1 A	12 V, 30 mA	250	1 : 0.143	1 : 0.50	22.2	0.0349	0.002	0.130	D	SM	PoE
POE62F-50ED	62	5 V, 11.3 A	12 V, 30 mA	250	1 : 0.214	1 : 0.50	22.2	0.0349	0.003	0.130	D	SM	PoE
POE62F-12ED	62	12 V, 4.7 A	12 V, 30 mA	250	1 : 0.50	1 : 0.50	17.8	0.0189	0.009	0.108	D	SM	PoE
POE62F-24ED	62	24 V, 2.4 A	12 V, 30 mA	250	1 : 1	1 : 0.50	17.8	0.0189	0.036	0.108	D	SM	PoE
POE62F-48ED	62	48 V, 1.2 A	12 V, 30 mA	250	1 : 2	1 : 0.50	17.8	0.019	0.140	0.108	D	SM	PoE
POE71F-33ED	71	3.3 V, 19.7 A	12 V, 30 mA	250	1 : 0.143	1 : 0.50	18.9	0.035	0.002	0.130	D	SM	PoE
POE71F-50ED	71	5 V, 13 A	12 V, 30 mA	250	1 : 0.214	1 : 0.50	18.9	0.035	0.003	0.130	D	SM	PoE
POE71F-12ED	71	12 V, 5.4 A	12 V, 30 mA	250	1 : 0.50	1 : 0.50	15.5	0.019	0.009	0.108	D	SM	PoE
POE71F-24ED	71	24 V, 2.7 A	12 V, 30 mA	250	1 : 1	1 : 0.50	15.5	0.019	0.036	0.108	D	SM	PoE
POE71F-48ED	71	48 V, 1.35 A	12 V, 30 mA	250	1 : 2	1 : 0.50	15.5	0.019	0.140	0.108	D	SM	PoE
TA7818-AL	51	12 V, 4.25 A	13 V, 30 mA	250	1 : 0.5	1 : 0.6	22.4	0.024	0.008	0.130	D	SM	Microsemi PD70211
<b>Telecom input (42 – 57 Vdc)</b>													
JA4173-AL	20	3.3 V, 6 A	10 V, 20 mA	250	1 : 0.156	1 : 0.50	100	0.211	0.0060	0.404	D	SM	STMicro PM8803
HA3691-AL	20	5 V, 4 A	10 V, 20 mA	250	1 : 0.25	1 : 0.469	100	0.185	0.0085	0.340	D	SM	STMicro PM8803
<b>Telecom extended input (9 – 57 Vdc)</b>													
POE21PR-33ED	21	3.3 V, 3.2 A	10 V, 50 mA	200	1 : 0.231	1 : 0.692	21	0.031	0.010	0.080	O	SM	PoE
POE22PR-50ED	22	5 V, 2.2 A	10 V, 50 mA	200	1 : 0.333	1 : 0.75	21	0.031	0.017	0.080	O	SM	PoE
POE24PR-12ED	24	12 V, 1 A	10 V, 50 mA	200	1 : 0.750	1 : 0.667	21	0.031	0.010	0.072	O	SM	PoE
<b>Telecom extended input (10 – 57 Vdc)</b>													
HA3585-BL	13	3.3 V, 3.9 A	5 V, 20 mA	300	1 : 0.29	1 : 0.43	40	0.140	0.014	0.220	F	SM	Akros AS1113
HA3586-BL	13	5.0 V, 2.6 A	5 V, 20 mA	300	1 : 0.36	1 : 0.43	40	0.140	0.024	0.230	F	SM	Akros AS1113
MA5281-BL	15	12 V, 1.25 A	11.5 V, 15 mA	250	1 : 0.57	1 : 0.57	45	0.060	0.058	0.370	F	SM	TI TPS23756
HA3809-AL	30	3.3 V, 9.1 A	5 V, 20 mA	300	1 : 0.176	1 : 0.29	30	0.042	0.010	0.165	F	SM	Akros AS1135
<b>Telecom extended input (14 – 60 Vdc)</b>													
DA2257-AL	11.6	3.3 V, 2 A 5.0 V, 1 A	10 V, 50 mA	250	1 : 0.167 1 : 0.28	1 : 0.5	35	0.062	0.010 0.018	0.225	G	SM	TI LM5071
<b>Telecom extended input (16 – 32 Vdc)</b>													
FA2636-AL	5.0	5.0 V, 1 A	7.5 V	250	1 : 0.25	1 : 0.38	160	0.225	0.340	0.078	D	SM	TI LM5001
<b>Telecom extended input (18 – 57 Vdc)</b>													
FA2677-AL	25	3.3 V, 7.5 A	11 V, 20 mA	250	1 : 0.12	1 : 0.41	50	0.260	0.0026	0.328	D	SM	TI LM5072
FA2898-AL	25	5.0 V, 5 A	11 V, 20 mA	250	1 : 0.18	1 : 0.41	50	0.260	0.004	0.315	D	SM	TI LM5072
FA2899-AL	25	9 V, 2.8 A	11 V, 20 mA	250	1 : 0.35	1 : 0.41	50	0.260	0.013	0.315	D	SM	TI LM5072
FA2900-AL	25	12 V, 2.1 A	11 V, 20 mA	250	1 : 0.47	1 : 0.41	50	0.260	0.020	0.315	D	SM	TI LM5072
FA2901-AL	25	15 V, 1.7 A	11 V, 20 mA	250	1 : 0.59	1 : 0.41	50	0.260	0.037	0.305	D	SM	TI LM5072
A9967-AL	30	15 V, 2 A	1.25 V	100	1 : 0.667	1 : 0.50	10	0.015	0.0225	0.045	B	SM	Linear LT1725
<b>Telecom extended input (18 – 72 Vdc)</b>													
C1154-BL	2.2	3.3 V, 0.2 A 2.5 V, 0.6 A	15 V / 5 V	275	1 : 0.10 1 : 0.075	1 : 0.425	255	0.335	0.200 0.017	0.745	G	SM	Maxim MAX5941A
C1099-AL	8.3	3.3 V, 2.5 A	14 V	275	1 : 0.13	1 : 0.57	133	0.283	0.013	0.480	B	SM	Maxim MAX5941A
C1173-AL	10	3.3 V, 3 A	10 V / 5.6 V	100	1 : 0.15	1 : 0.5	166.5	0.770	0.020	1.120	F	SM	TI TPS23750
C1174-AL	10	5.0 V, 2 A	10 V / 7.5 V	100	1 : 0.20	1 : 0.44	150.0	0.515	0.023	0.880	F	SM	TI TPS23750
GA3562-BL	10	12 V, 0.83 A	10 V / 7.5 V	100	1 : 0.50	1 : 0.50	150.0	0.740	0.10	0.456	F	SM	TI TPS23750
<b>Telecom extended input (24 – 60 Vdc)</b>													
DA2383-AL	13	3.3 V, 4 A	10 V, 0.05 A	250	1 : 0.16	1 : 0.50	127	0.255	0.012	0.310	D	SM	TI LM5071
<b>2 – 8 Vdc input</b>													
NA5743-AL 7 – 12		30 – 80 V	—	150	1 : 4	—	4.0	0.012	0.500	—	A	SM	Linear LT8584
NA6252-AL 7 – 12		9 – 36 V	—	150	1 : 1.33	—	4.0	0.010	0.053	—	A	SM	Linear LT8584
NA5920-AL 7 – 12		100 – 400 V	—	150	1 : 24	—	4.0	0.013	5.15	—	A	SM	Linear LT8584
<b>2.9 – 32 Vdc input</b>													
TA7608-AL	2	5 V, 0.4 A	—	100	1 : 4	—	2.0	0.033	0.105	—	A	SM	Silicon Labs DC-DC Converter
TA7618-AL	2	5 V, 0.4 A	—	100	1 : 4	—	2.0	0.031	0.185	—	A	SM	Silicon Labs DC-DC Converter
NA5889-AL	12	12 V, 1 A	—	200	1 : 0.833	—	12	0.03	0.0195	—	A	SM	TI 55340
<b>3.3 Vdc input</b>													
DA2420-AL	1.2	12 V, 0.1 A	—	100	1 : 2	—	330	0.0195	5.92	—	A	SM	ST Micro STE12PS
DA2421-AL	1.2	12 V, 0.1 A	—	100	1 : 3	—	330	0.442	14.145	—	A	SM	ST Micro STE12PS



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# Flyback Transformers

Part number	Power (W)	Output	Aux / bias output	Nominal freq. (kHz)	Turns ratio		L at 0 A (µH)	DCR (Ohms)			Schem	Mounting	Designed for
					pri : sec	pri : aux / bias		pri	sec	aux / bias			
<b>4 – 6 Vdc input</b>													
S6057-AL	4.5	5.0 V / 0.9 A	—	100	1 : 1	—	47	0.065	0.065	—	A	SM	TI LM258X (T7)
S6000-AL	4.5	5.0 V / 0.9 A	—	100	1 : 1	—	47	0.065	0.042	—	A	TH	TI LM258X (T7)
Q4435-BL	8	5.0 V, 1.6 A	—	100	1 : 1	—	22	0.020	0.250	—	A	SM	TI LM258X (T1)
Q4434-BL	8	5.0 V, 1.6 A	—	100	1 : 1	—	22	0.028	0.280	—	A	TH	TI LM258X (T1)
Q4436-BL	8.4	12 V, 0.35 A -12 V, 0.35 A	—	100	1 : 2.5 1 : 2.5	—	22	0.025	0.230 0.250	—	B	SM	TI LM258X (T2)
Q4337-BL	8.4	12 V, 0.35 A -12 V, 0.35 A	—	100	1 : 2.5 1 : 2.5	—	22	0.03	0.320 0.320	—	B	TH	TI LM258X (T2)
<b>4.5 – 8.5 Vdc input</b>													
FA2469-AL	4.0	-48 V, 0.083 A	—	125	1 : 16	—	19	0.036	16.5	—	A	SM	STMicro STLC3075
<b>5 – 20 Vdc input</b>													
CX9721-AL		5 V, 0.25 A	5 V, 2 mA	100	1 : 1	1 : 1	10	0.08	0.08	0.08	D	SM	TI TPS61046 Boost Converter
<b>5 – 24 Vdc input</b>													
HA3994-AL		5 V, 3.6 A 15 V, 1.2 A -15 V, 1.2 A	—	100	1 : 0.5 1 : 1.5 1 : 1.5	—	7.5	0.018	0.020 0.031 0.031	—	C	SM	Linear LT3751
<b>6 – 32 Vdc input</b>													
PA6582-AL	39	54 V, 0.6 A	—	150	1 : 5	1 : 1	9.0	0.010	0.162	0.131	D	SM	TI PMP 20588
<b>7 – 24 Vdc input</b>													
UA7902-AL	2	5 V, 0.4 A	—	250	3 : 1	—	25	0.075	0.106	—	A	SM	Silicon Labs DC-DC Converter
TA7788-AL	2.13	15 V, 0.13 A 9 V, 0.02 A	—	250	1 : 1.25 1 : 0.75	—	25	0.490	0.730 0.492	—	B	SM	Silicon Labs DC-DC Converter
<b>8 – 18 Vdc input</b>													
NA6264-AL	48	48 V, 1.0 A	9.0 V, 20 mA	300	1 : 6	1 : 1.5	2.56	0.0065	0.110	0.130	D	SM	TI PMP7899
UA7962-AL	81	54 V, 1.5 A	20 mA	300	1 : 2	1 : 0.5	10	0.005	0.038	0.051	D	TH	TI PMP20058
<b>8 – 28 Vdc input</b>													
WA8417-AL	4.5	15 V, 0.3 A	—	400	1 : 2	—	47	0.185	0.37	—	A	SM	TI PMP30227
<b>8.5 – 12 Vdc input</b>													
FA2470-AL	4.0	-48 V, 0.083 A	—	125	1 : 8	—	19	0.036	7.920	—	A	SM	STMicro STLC3075
<b>9 – 20 Vdc input</b>													
IFLY0012L	4.1	24 V, 0.17 A 72 V, 0.17 A	—	600	1 : 3 1 : 9	—	6.0	0.021	0.690 2.070	—	C	SM	Intersil ISL6401
<b>10 – 14 Vdc input</b>													
GA3431-BL	5.0	3.3 V, 1.5 A	3.3 V, 20 mA	250	1 : 0.14	1 : 0.14	25	0.090	0.005	0.070	D	SM	
GA3430-BL	5.0	5.0 V, 1.0 A	5.0 V, 20 mA	250	1 : 0.20	1 : 0.20	25	0.090	0.015	0.095	D	SM	
<b>17 – 36 Vdc input</b>													
YA9280-AL	7.5	5 V, 1.5 A	—	150	1 : 0.4	—	18	0.101	0.027	—	A	SM	Maxim MAX17690
<b>18 – 36 Vdc input</b>													
MA5237-AL	7.5	5.0 V, 1.5 A	2.5 V, 20 mA	500	1 : 0.5	1 : 0.25	60	0.11	0.035	0.17	D	SM	Maxim MAX17498B
Q4437-BL	15.0	5.0 V, 1.8 A 12 V, 0.25 A -12 V, 0.25 A	—	100	1 : 0.5 1 : 1.167 1 : 1.167	—	55	0.110	0.035 0.300 0.320	—	C	SM	TI LM258X (T5)
Q4338-BL	15.0	5.0 V, 1.8 A 12 V, 0.25 A -12 V, 0.25 A	—	100	1 : 0.5 1 : 1.167 1 : 1.167	—	66	0.090	0.039 0.580 0.600	—	C	TH	TI LM258X (T5)
Q4438-BL	15.1	12 V, 0.63 A -12 V, 0.63 A	—	100	1 : 1.2 1 : 1.2	—	65	0.065	0.150 0.150	—	B	SM	TI LM258X (T6)
Q4339-BL	15.1	12 V, 0.63 A -12 V, 0.63 A	—	100	1 : 1.2 1 : 1.2	—	66	0.090	0.200 0.240	—	B	TH	TI LM258X (T6)
CU8758-AL	20.0	24 V, 0.833 A	—	100	1 : 1.85	—	33	0.030	0.041	—	A	TH	Maxim MAX17597
Q4344-BL	33.0	12 V, 0.75 A -12 V, 0.75 A 5.0 V, 3 A	—	100	1 : 0.35 1 : 0.8 1 : 0.8	—	85	0.145	0.200 0.200 0.030	—	C	TH	TI LM258X (T4)
Q4343-BL	33.6	12 V, 1.4 A -12 V, 1.4 A	—	100	1 : 0.8 1 : 0.8	—	85	0.150	0.011 0.011	—	B	TH	TI LM258X (T3)
<b>20 – 28 Vdc input</b>													
GA3429-BL	5.0	3.3 V, 1.5 A	3.3 V, 20 mA	250	1 : 0.25	1 : 0.25	24	0.095	0.0075	0.123	D	SM	Linear LT3573
<b>22 – 26 Vdc input</b>													
GA3136-BL	50	53 V, 0.17 A	—	150	1 : 1.4	1 : 0.33	35	0.029	0.074	0.208	D	SM	TI UCC2809
<b>400 Vdc input</b>													
GA3502-BL	44	110 V, 0.4 A	18 V, 20 mA	250	1 : 0.35	1 : 0.06	800	1.283	0.361	0.146	D	SM	Maxim MAX16801
<b>ac line input (85 – 130 Vac)</b>													
A9619-CL	7.0	12 V, 0.58 A	—	100	1 : 0.1	1 : 0.14	3200	1.74	0.040	0.278	D	TH	ON Semi NCP101X
MA5157-AL	17	23 V, 0.74 A	—	100	1 : 0.23	1 : 0.20	20.5	0.88	0.095	0.585	D	TH	NXP SSL2103



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# Flyback Transformers

Part number	Power (W)	Output	Aux / bias output	Nominal freq. (kHz)	Turns ratio		L at 0 A (µH)	DCR (Ohms)			Schem	Mounting	Designed for
					pri : sec	pri : aux / bias		pri	sec	aux / bias			
<b>ac line input (195 – 265 Vac)</b>													
PA6284-AL	11	12 – 18 V, 0.64 A	—	100	1 : 0.136	1 : 0.144	1400	3.03	0.085	0.57	D	SM	ST Micro STEVAL-ILL055V1
B0570-BL	15	12 V, 1.25 A	—	100	1 : 0.06	1 : 0.08	3400	2.57	0.038	0.285	D	TH	ON Semi NCP101X
<b>Universal ac line input (85 – 265 Vac)</b>													
Y8844-AL	3.5	6.5 V, 0.54 A	—	100	1 : 0.08	—	2900	4.25	0.070	—	A	TH	ON Semi NCP1201
HA4018-AL	4.3	15 V 0.05 A 5 V, 0.35 A -15 V, 1.125 A	12 V, 20 mA	50	1 : 0.12 1 : 0.067 1 : 0.189	1 : 0.156	2200	1.55	0.061 0.305 0.450	0.350	K	TH	TI UCC28600
GA3544-BL	5.0	12 V, 0.2 A	—	100	1 : 0.158 1 : 0.158	1 : 0.079	2300	0.86	0.109 0.131	0.155	L	TH	TI UCD3K
HA3950-AL	5.0	15 V, 0.33 A	—	100	1 : 0.16	1 : 0.11	2300	0.86	0.109	0.080	D	TH	TI SLUU341
MA5597-AL	6.0	12 V, 0.5 A	12.85 V, 10 mA	100	1 : 0.125	1 : 0.133	3400	2.22	0.047	0.356	D	TH	ON Semi NCP1072
DA2077-AL	10	5.0 V, 2 A	12.5 V, 10 mA	65	1 : 0.06	1 : 0.15	3400	2.53	0.042	0.574	D	TH	ON Semi NCP1027
Y8848-AL	10	12 V, .83 A	—	100	1 : 0.10	—	1800	1.77	0.038	—	A	TH	ON Semi NCP1202
GA3172-AL	14	20 V / 0.7 A	12 V, 20 mA	250	1 : 0.214	1 : 0.131	500	0.675	0.245	0.325	D	TH	Microchip PIC16HV785
JA4429-AL	24	24 V / 1.0 A	24 V, 20 mA	100	1 : 0.24	1 : 0.24	400	0.252	0.126	0.149	D	TH	Linear LT3799
CR8076-AL	30	15 V, 0.65 A 7.5 V, 0.7 A 5 V, 0.7 A	—	250	1 : 0.125 1 : 0.042 1 : 0.083	—	250	0.306	0.044 0.016 0.030	—	C	SM	Maxim MAX17497A/B
GA0007-AL	48	32 V, 1 A 16 V, 0.75 A	16 V, 20 mA	45	1 : 0.2 1 : 0.2	1 : 0.2	270	0.25	0.027 0.045	0.26	I	TH	ON Semi NCP1351
KA5037-BL	66	12 V, 5.5 A	20 V, 20 mA	50	1 : 0.125	1 : 0.156	560	0.1209	0.005	0.243	E	TH	ON Semi NCP4305FBDAP
KA5038-BL	66	19 V, 3.5 A	15.5 V, 20 mA	50	1 : 0.188	1 : 0.156	560	0.198	0.007	0.236	E	TH	ON Semi NCP1236
Z9007-BL	67	16 V, 4.2 A	—	100	1 : 0.16	—	700	0.261	0.065	—	A	TH	ON Semi NCP1200
Z9260-AL	67	16 V, 4.2 A	15 V, 1.2 A	100	1 : 0.16	1 : 0.15	700	0.261	0.065	0.450	D	TH	ON Semi NCP1200
GA3366-BL	90	19.5 V, 4.62 A	16 V, 20 mA	100	1 : 0.147	1 : 0.118	300	0.210	0.0053	0.073	D	TH	ON Semi NCP1606
FA2443-AL	120	19.4 V, 6.2 A	—	140	1 : 0.167	1 : 0.167	200	0.217	0.010	0.515	D	TH	TI UCC28600

# Capacitor Charging Transformers

Part number	Peak input current (A)	Output voltage	Aux / bias output	Nominal freq. (kHz)	Turns ratio		L at 0 A (µH)	DCR (Ohms)			Schem	Mounting	Designed for
					pri : sec	pri : aux / bias		pri	sec	aux / bias			
CJ5143-AL	1.2	350	—	1	1 : 15	—	15	1.0	25	—	A	SM	ON Semi NCP5080
HA4060-AL	2.0	500	—	100	1 : 3	—	300	0.422	1.58	—	A	SM	Linear LT3751
DA2032-AL	3.0	300	—	100	1 : 10	—	10	0.013	1.60	—	A	SM	Linear LT3750
DA2033-AL	5.0	300	—	100	1 : 10	—	10	0.015	1.10	—	A	SM	Linear LT3750
HA4061-AL	5.0	500	—	100	1 : 3	—	125	0.203	1.40	—	A	TH	Linear LT3751
DA2034-AL	10	300	—	100	1 : 10	—	10	0.018	1.75	—	A	SM	Linear LT3750
GA3459-BL	20	500	—	50	1 : 10	—	5.0	0.0077	0.515	—	A	SM	Linear LT3751
GA3460-BL	50	500	—	50	1 : 10	—	2.5	0.0056	0.400	—	A	SM	Linear LT3751

# Solar Inverter Transformers (dc to ac)

Part number	Peak input current (A)	Output voltage	Aux / bias output	Nominal freq. (kHz)	Turns ratio		L at 0 A (µH)	DCR (Ohms)			Schem	Mounting	Designed for
					pri : sec	pri : aux / bias		pri	sec	aux / bias			
JA4635-AL	10.5	110 VAC	—	150	1 : 6	—	28	0.008	0.106	—	A	TH	Microchip AN1338
NA5919-AL	13.6	110 VAC	—	150	1 : 4	—	55	0.048	0.111	—	A	TH	Microchip AN1444
KA4823-CL	10.5	220 VAC	—	150	1 : 12	—	28	0.008	0.472	—	A	TH	Microchip AN1338
NA5814-AL	13.6	220 VAC	—	150	1 : 7	—	55	0.0475	0.360	—	A	TH	Microchip AN1444



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# Schematics

