

POWER INTEGRATIONS AC-DC & DC-DC Power Conversion



Products may be RoHS compliant. Check mouser.com for RoHS status.

LOW POWER AC-DC POWER CONVERSION (CONT.)

TinySwitch II (Up to 23W)

MOUSER STOCK NO.		Package	Continuous Output Power				Switching Freq. (kHz)	Adjust. I-Lim	Price Each		
Mfr.	Mfr. Part No.		230VAC ±15%/Open		85-265VAC/Open				1	25	100
			Adapter	Frame	Adapter	Frame					
869	TNY267PN	DIP-8B	13W	19W	8W	12W	132	No	1.60	1.28	1.01
869	TNY268PN	DIP-8B	16W	23W	10W	15W	132	No	1.98	1.85	1.34
869	TNY268GN	SMD-8B	16W	23W	10W	15W	132	No	1.85	1.48	1.15

HIGH POWER AC-DC POWER CONVERSION

TopSwitch™ Family

MOUSER STOCK NO.		Package	Continuous Output Power				Switching Freq. (kHz)	Price Each			
Mfr.	Mfr. Part No.		230VAC ±15%/Open		85-265VAC			1	25	100	
			Adapter	Frame	Adapter	Frame					
TopSwitch-HX (Up to 195W)											
869	TOP253EN	eSIP-7C	21W	43W	13W	29W	66	1.86	1.59	1.13	
869	TOP254YN	TO-220-7C	30W	62W	20W	43W	66	2.35	1.86	1.43	
869	TOP255YN	TO-220-7C	40W	81W	26W	57W	66	2.52	2.04	1.55	
869	TOP256YN	TO-220-7C	60W	119W	40W	86W	66	2.75	2.19	1.69	
869	TOP257YN	TO-220-7C	85W	157W	55W	119W	66	2.97	2.38	1.85	
869	TOP258YN	TO-220-7C	105W	195W	70W	148W	66	3.24	2.59	2.02	
869	TOP260EN	eSIP-7C	147W	275W	93W	200W	66/132	3.11	2.48	1.93	
869	TOP261YN	TO-220-7C	177W	333W	118W	254W	66	4.26	3.37	2.61	
869	TOP261EN	eSIP-7C	177W	333W	118W	254W	66/132	3.47	2.77	2.15	
TopSwitch-GX (Up to 290W)											
869	TOP242GN	SMD-8B	9W	15W	6.5W	10W	132	2.41	1.92	1.44	
869	TOP243YN	TO-220-7C	20W	45W	15W	30W	132/66	2.68	2.21	1.72	
869	TOP244YN	TO-220-7C	30W	65W	20W	45W	132/66	3.05	2.46	1.89	
869	TOP245YN	TO-220-7C	40W	85W	26W	60W	132/66	3.49	2.73	2.11	
869	TOP246YN	TO-220-7C	60W	125W	40W	90W	132/66	3.50	2.85	2.18	
869	TOP249YN	TO-220-7C	120W	250W	80W	180W	132/66	4.69	3.88	3.05	
869	TOP250YN	TO-220-7C	135W	290W	90W	210W	132/66	4.93	3.94	3.07	
TopSwitch-JX (Up to 244W)											
869	TOP265VG	eDIP-12	22.5W	36W	15W	25W	132/66	1.95	1.56	1.17	
869	TOP266VG	eDIP-12	24W	39W	17W	28.5W	132/66	2.25	1.80	1.35	
869	TOP268VG	eDIP-12	30W	48W	21.5W	36W	132/66	2.57	2.05	1.59	
869	TOP269VG	eDIP-12	32W	51W	22.5W	37.5W	132/66	2.77	2.21	1.72	
869	TOP271VG	eDIP-12	36W	59W	26W	43W	132/66	3.47	2.77	2.15	
869	TOP264KG	eSOP-12	30W	49W	16W	30W	132/66	1.80	1.44	1.08	
869	TOP265KG	eSOP-12	33W	53W	20W	34W	132/66	1.95	1.56	1.17	
869	TOP267KG	eSOP-12	40W	65W	26W	45W	132/66	2.28	1.81	1.40	
869	TOP268KG	eSOP-12	46W	73W	30W	50W	132/66	2.52	2.01	1.56	
869	TOP269KG	eSOP-12	50W	81W	33W	55W	132/66	2.77	2.21	1.72	
869	TOP270KG	eSOP-12	56W	91W	36W	60W	132/66	3.11	2.48	1.93	
869	TOP271KG	eSOP-12	63W	102W	40W	66W	132/66	3.47	2.77	2.15	
869	RDK-242	Ref. Design Report for a 30W Supply Using TOPSwitch@-JX TOP266VG, 85VAC-264VAC Input, 12V, 2.5A Output							99.00	-	-

TopSwitch-HX (Up to 195W)

869	TOP253EN	eSIP-7C	21W	43W	13W	29W	66	1.86	1.59	1.13
869	TOP254YN	TO-220-7C	30W	62W	20W	43W	66	2.35	1.86	1.43
869	TOP255YN	TO-220-7C	40W	81W	26W	57W	66	2.52	2.04	1.55
869	TOP256YN	TO-220-7C	60W	119W	40W	86W	66	2.75	2.19	1.69
869	TOP257YN	TO-220-7C	85W	157W	55W	119W	66	2.97	2.38	1.85
869	TOP258YN	TO-220-7C	105W	195W	70W	148W	66	3.24	2.59	2.02
869	TOP260EN	eSIP-7C	147W	275W	93W	200W	66/132	3.11	2.48	1.93
869	TOP261YN	TO-220-7C	177W	333W	118W	254W	66	4.26	3.37	2.61
869	TOP261EN	eSIP-7C	177W	333W	118W	254W	66/132	3.47	2.77	2.15

TopSwitch-GX (Up to 290W)

869	TOP242GN	SMD-8B	9W	15W	6.5W	10W	132	2.41	1.92	1.44
869	TOP243YN	TO-220-7C	20W	45W	15W	30W	132/66	2.68	2.21	1.72
869	TOP244YN	TO-220-7C	30W	65W	20W	45W	132/66	3.05	2.46	1.89
869	TOP245YN	TO-220-7C	40W	85W	26W	60W	132/66	3.49	2.73	2.11
869	TOP246YN	TO-220-7C	60W	125W	40W	90W	132/66	3.50	2.85	2.18
869	TOP249YN	TO-220-7C	120W	250W	80W	180W	132/66	4.69	3.88	3.05
869	TOP250YN	TO-220-7C	135W	290W	90W	210W	132/66	4.93	3.94	3.07

TopSwitch-JX (Up to 244W)

869	TOP265VG	eDIP-12	22.5W	36W	15W	25W	132/66	1.95	1.56	1.17	
869	TOP266VG	eDIP-12	24W	39W	17W	28.5W	132/66	2.25	1.80	1.35	
869	TOP268VG	eDIP-12	30W	48W	21.5W	36W	132/66	2.57	2.05	1.59	
869	TOP269VG	eDIP-12	32W	51W	22.5W	37.5W	132/66	2.77	2.21	1.72	
869	TOP271VG	eDIP-12	36W	59W	26W	43W	132/66	3.47	2.77	2.15	
869	TOP264KG	eSOP-12	30W	49W	16W	30W	132/66	1.80	1.44	1.08	
869	TOP265KG	eSOP-12	33W	53W	20W	34W	132/66	1.95	1.56	1.17	
869	TOP267KG	eSOP-12	40W	65W	26W	45W	132/66	2.28	1.81	1.40	
869	TOP268KG	eSOP-12	46W	73W	30W	50W	132/66	2.52	2.01	1.56	
869	TOP269KG	eSOP-12	50W	81W	33W	55W	132/66	2.77	2.21	1.72	
869	TOP270KG	eSOP-12	56W	91W	36W	60W	132/66	3.11	2.48	1.93	
869	TOP271KG	eSOP-12	63W	102W	40W	66W	132/66	3.47	2.77	2.15	
869	RDK-242	Ref. Design Report for a 30W Supply Using TOPSwitch@-JX TOP266VG, 85VAC-264VAC Input, 12V, 2.5A Output							99.00	-	-

HIPER™ FAMILY

HiperLCS

MOUSER STOCK NO.		Package	Max. Power	VCO Operating Current (mA)	Frequency Range (kHz)	Drain Pin Voltage (V)	Price Each		
Mfr.	Mfr. Part No.						1	25	100
869	LCS700HG	eSIP-16	110 W	4.0	25-1000	-1.3 V to 530 V	4.15	3.72	2.89
869	LCS701HG	eSIP-16	170 W	4.4	25-1000	-1.3 V to 530 V	4.61	4.15	3.23
869	LCS702HG	eSIP-16	220 W	4.9	25-1000	-1.3 V to 530 V	4.08	3.82	3.44
869	LCS703HG	eSIP-16	275 W	5.4	25-1000	-1.3 V to 530 V	5.60	5.27	4.62
869	LCS705HG	eSIP-16	350 W	6.6	25-1000	-1.3 V to 530 V	5.52	5.17	4.65
869	LCS708HG	eSIP-16	440 W	8.8	25-1000	-1.3 V to 530 V	7.71	7.23	6.50

HiperPLC

MOUSER STOCK NO.		Package	Max. Cont. Supply Voltage (VCC, VCCL)	Max LLC Voltage	VCO Frequency Range	Max Power Dissipation	Max Current ISL and ISP Pins	IFMAX	Price Each		
Mfr.	Mfr. Part No.								1	25	100
551	PLC810PG	DIP-24	15V	600V	50-300kHz	700mW	-100mA	120µA	3.10	2.90	2.70

HiperPFS

MOUSER STOCK NO.		Package	VCC Max. (V)	Drain Pin Voltage (V)	Max. Cont. Output Power Rating	Peak Output Power Rating	Price Each				
Mfr.	Mfr. Part No.						1	25	100		
869	PFS704EG	eSIP-7G	13.40	7.50	110@90VAC	120@90VAC	3.13	2.49	1.95		
869	PFS706EG	eSIP-7G	13.40	9.00	140@90VAC	150@90VAC	3.12	2.81	2.50		
869	PFS708EG	eSIP-7G	13.40	11.30	190@90VAC	205@90VAC	4.10	3.26	2.53		
869	PFS710EG	eSIP-7G	13.40	13.50	240@90VAC	260@90VAC	4.26	3.83	3.41		
869	PFS712EG	eSIP-7G	13.40	15.80	300@90VAC	320@90VAC	5.58	4.44	3.47		
869	PFS714EG	eSIP-7G	13.40	18.00	350@90VAC	385@90VAC	6.30	5.01	3.92		
869	PFS716EG	eSIP-7G	13.40	21.00	388@90VAC	425@90VAC	7.70	6.12	4.79		
869	PFS723EG	eSIP-7G	13.40	7.50	255@180VAC	280@180VAC	3.76	2.99	2.34		
869	PFS724EG	eSIP-7G	13.40	9.00	315@180VAC	350@180VAC	4.16	3.31	2.57		
869	PFS725EG	eSIP-7G	13.40	11.30	435@180VAC	480@180VAC	4.93	3.92	3.07		
869	PFS726EG	eSIP-7G	13.40	13.50	540@180VAC	600@180VAC	5.74	4.57	3.57		
869	PFS727EG	eSIP-7G	13.40	15.80	675@180VAC	750@180VAC	6.68	5.32	4.16		
869	PFS728EG	eSIP-7G	13.40	18.00	810@180VAC	900@180VAC	7.56	6.01	4.70		
869	PFS729EG	eSIP-7G	13.40	21.00	900@180VAC	1000@180VAC	8.20	7.18	6.77		
869	RDK-236	Reference Design Report for a High Performance 347 W PFC Frontend Using HiperPFS™ PFS714EG							99.75	-	-

HiperTFS

MOUSER STOCK NO.		Package	Two-Switched Forward (380V)			Flyback (100V-400V)	Price Each		
Mfr.	Mfr. Part No.		Cont. (25°C)	Cont. (50°C)	Peak (50°C)		1	25	100
869	TFS757HG	eSIP-16B	193W	163W	228W	20W	4.88	3.91	3.04
869	TFS758HG	eSIP-16B	236W	200W	278W	20W	5.51	4.39	3.43
869	TFS759HG	eSIP-16B	280W						