

TDK-Lambda DC-DC Converters



Features: • Compact size • No tantalum capacitor and no aluminum electrolytic capacitor are used • Output voltage tolerance $\pm 3\%$ at single output, $\pm 5\%$ at dual output units • PWB halogen-free • Input fuse • No external components required • 5-sided metal shielded • 500VAC input to output isolation **Note:** For safety and EMI certifications please see series data sheets

Dimensions in mm

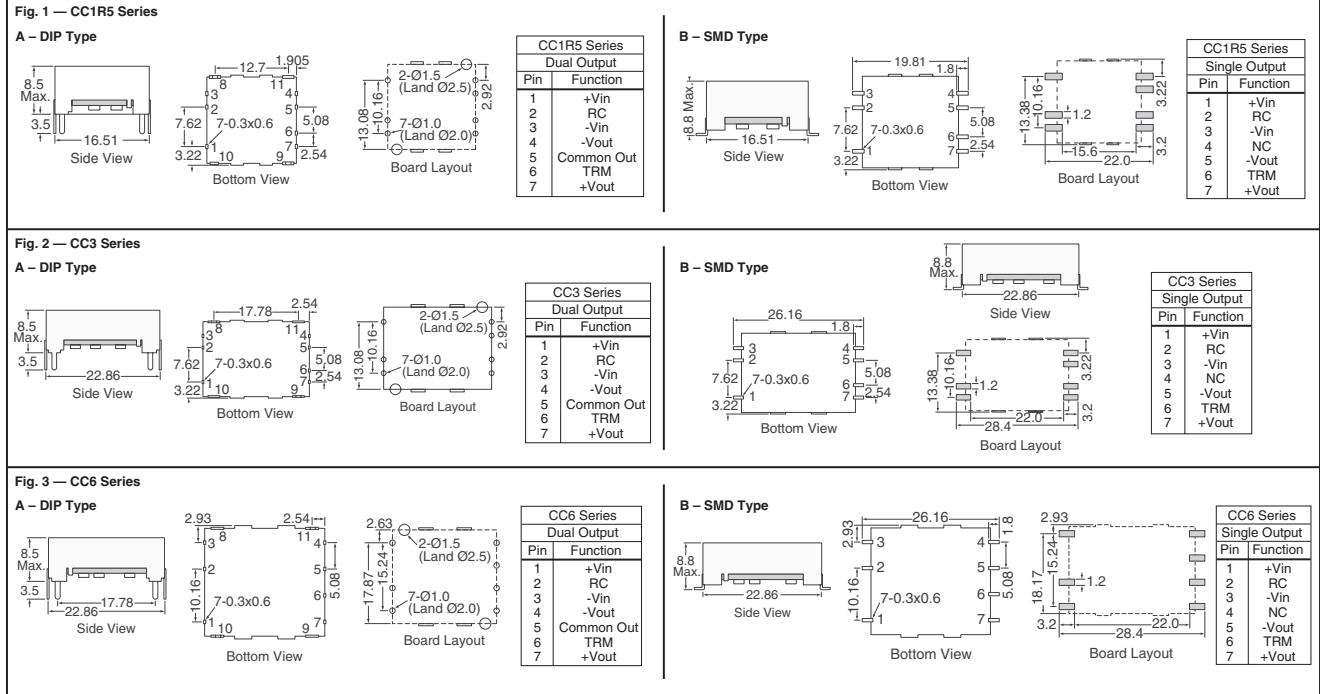


Fig.	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 10	TDK-Lambda Part No.
CC1R5 Series — Single Output							
1A	4.5 - 9	3.3	.400	1.5	445-2444-ND	6.97 6.65	CC1R5-0503SF-E
	4.5 - 9	5	.300	1.5	445-2446-ND	6.97 6.65	CC1R5-0505SF-E
	4.5 - 9	12 - 15	.125	1.5	445-2448-ND	6.97 6.65	CC1R5-0512SF-E
	9 - 18	3.3	.400	1.5	445-2450-ND	6.97 6.65	CC1R5-1203SF-E
	9 - 18	5	.300	1.5	445-2452-ND	6.97 6.65	CC1R5-1205SF-E
	9 - 18	12 - 15	.125	1.5	445-2455-ND	6.97 6.65	CC1R5-1212SF-E
	18 - 36	3.3	.400	1.5	445-2456-ND	6.97 6.65	CC1R5-2403SF-E
	18 - 36	5	.300	1.5	445-2457-ND	6.97 6.65	CC1R5-2405SF-E
	18 - 36	12 - 15	.125	1.5	445-2459-ND	6.97 6.65	CC1R5-2412SF-E
	36 - 76	3.3	.400	1.3	445-3264-ND	6.97 6.65	CC1R5-4803SF-E
	36 - 76	5	.300	1.5	445-3265-ND	6.97 6.65	CC1R5-4805SF-E
	36 - 76	12 - 15	.100	1.5	445-3266-ND	6.97 6.65	CC1R5-4812SF-E
1B	4.5 - 9	3.3	.400	1.5	445-2445-ND	6.97 6.65	CC1R5-0503SR-E
	4.5 - 9	5	.300	1.5	445-2447-ND	6.97 6.65	CC1R5-0505SR-E
	4.5 - 9	12 - 15	.125	1.5	445-2449-ND	6.97 6.65	CC1R5-0512SR-E
	9 - 18	3.3	.400	1.5	445-2451-ND	6.97 6.65	CC1R5-1203SR-E
	9 - 18	5	.300	1.5	445-2453-ND	6.97 6.65	CC1R5-1205SR-E
	9 - 18	12 - 15	.100	1.5	445-3268-ND	6.97 6.65	CC1R5-1212SR-E
	18 - 36	3.3	.400	1.3	445-3269-ND	6.97 6.65	CC1R5-2403SR-E
	18 - 36	5	.300	1.5	445-3270-ND	6.97 6.65	CC1R5-2405SR-E
	18 - 36	12 - 15	.100	1.5	445-3271-ND	6.97 6.65	CC1R5-2412SR-E
	36 - 76	3.3	.400	1.3	445-3272-ND	6.97 6.65	CC1R5-4803SR-E
	36 - 76	5	.300	1.5	445-3273-ND	6.97 6.65	CC1R5-4805SR-E
	36 - 76	12 - 15	.100	1.5	445-3274-ND	6.97 6.65	CC1R5-4812SR-E
CC1R5 Series — Dual Output							
1A	4.5 - 9	$\pm 12 - 15$	.600	1.5	445-2447-ND	6.97 6.65	CC1R5-0512DF-E
	9 - 18	$\pm 12 - 15$	.600	1.5	445-2454-ND	6.97 6.65	CC1R5-1212DF-E
	18 - 36	$\pm 12 - 15$	.600	1.5	445-2458-ND	6.97 6.65	CC1R5-2412DF-E
	36 - 76	$\pm 12 - 15$	.050	1.5	445-3312-ND	6.97 6.65	CC1R5-4812DF-E
	4.5 - 9	$\pm 12 - 15$	.050	1.5	445-3313-ND	6.97 6.65	CC1R5-0512DR-E
	9 - 18	$\pm 12 - 15$	.050	1.5	445-3314-ND	6.97 6.65	CC1R5-1212DR-E
1B	4.5 - 9	$\pm 12 - 15$	.050	1.5	445-3315-ND	6.97 6.65	CC1R5-2412DR-E
	18 - 36	$\pm 12 - 15$	.050	1.5	445-3316-ND	6.97 6.65	CC1R5-4812DR-E
	4.5 - 9	$\pm 12 - 15$	.800	3.0	445-2462-ND	8.06 7.77	CC3-0503SF-E
	4.5 - 9	5	.600	3.0	445-2464-ND	8.06 7.77	CC3-0505SF-E
	4.5 - 9	12 - 15	.250	3.0	445-2466-ND	8.06 7.77	CC3-0512SF-E
	9 - 18	3.3	.800	3.0	445-2468-ND	8.06 7.77	CC3-1203SF-E
2A	9 - 18	5	.600	3.0	445-2470-ND	8.06 7.77	CC3-1205SF-E
	9 - 18	12 - 15	.250	3.0	445-2473-ND	8.06 7.77	CC3-1212SF-E
	18 - 36	3.3	.800	3.0	445-2474-ND	8.06 7.77	CC3-2403SF-E
	18 - 36	5	.600	3.0	445-2475-ND	8.06 7.77	CC3-2405SF-E
	18 - 36	12 - 15	.250	3.0	445-2477-ND	8.06 7.77	CC3-2412SF-E
	36 - 76	3.3	.800	2.5	445-3275-ND	8.06 7.77	CC3-4803SF-E
	36 - 76	5	.600	3.0	445-3276-ND	8.06 7.77	CC3-4805SF-E
	36 - 76	12 - 15	.200	3.0	445-3277-ND	8.06 7.77	CC3-4812SF-E
	4.5 - 9	3.3	.800	3.0	445-2463-ND	8.06 7.77	CC3-0503SR-E
	4.5 - 9	5	.600	3.0	445-2465-ND	8.06 7.77	CC3-0505SR-E
	4.5 - 9	12 - 15	.250	3.0	445-2467-ND	8.06 7.77	CC3-0512SR-E
	9 - 18	3.3	.800	3.0	445-2469-ND	8.06 7.77	CC3-1203SR-E
2B	9 - 18	5	.600	3.0	445-2471-ND	8.06 7.77	CC3-1205SR-E
	9 - 18	12 - 15	.200	3.0	445-3279-ND	8.06 7.77	CC3-1212SR-E
	18 - 36	3.3	.800	2.5	445-3280-ND	8.06 7.77	CC3-2403SR-E
	18 - 36	5	.600	3.0	445-3281-ND	8.06 7.77	CC3-2405SR-E
	18 - 36	12 - 15	.200	3.0	445-3282-ND	8.06 7.77	CC3-2412SR-E
	4.5 - 9	$\pm 12 - 15$	.250	6.0	445-2478-ND	11.47 10.97	CC6-0503SF-E
	4.5 - 9	5	1.0	6.0	445-2480-ND	11.47 10.97	CC6-0505SF-E
	4.5 - 9	12 - 15	.500	6.0	445-2482-ND	11.47 10.97	CC6-0512SF-E
	9 - 18	3.3	1.2	6.0	445-2484-ND	11.47 10.97	CC6-1203SF-E
	9 - 18	5	1.2	6.0	445-2486-ND	11.47 10.97	CC6-1205SF-E
	9 - 18	12 - 15	.500	6.0	445-2489-ND	11.47 10.97	CC6-1212SF-E
	3A	18 - 36	3.3	1.2	6.0	445-2490-ND	11.47 10.97	CC6-2403SF-E
18 - 36		5	1.2	6.0	445-2491-ND	11.47 10.97	CC6-2405SF-E
18 - 36		12 - 15	.500	6.0	445-2493-ND	11.47 10.97	CC6-2412SF-E
36 - 76		3.3	1.2	5.0	445-3286-ND	11.47 10.97	CC6-4803SF-E
36 - 76		5	1.2	6.0	445-3287-ND	11.47 10.97	CC6-4805SF-E
36 - 76		12 - 15	.400	6.0	445-3288-ND	11.47 10.97	CC6-4812SF-E
4.5 - 9		3.3	1.2	6.0	445-2479-ND	11.47 10.97	CC6-0503SR-E
4.5 - 9		5	1.0	6.0	445-2481-ND	11.47 10.97	CC6-0505SR-E
4.5 - 9		12 - 15	.500	6.0	445-2483-ND	11.47 10.97	CC6-0512SR-E
9 - 18		3.3	1.2	6.0	445-2485-ND	11.47 10.97	CC6-1203SR-E
9 - 18		5	1.2	6.0	445-2487-ND	11.47 10.97	CC6-1205SR-E
9 - 18		12 - 15	.400	6.0	445-2490-ND	11.47 10.97	CC6-1212SR-E
3B	18 - 36	3.3	1.2	5.0	445-3291-ND	11.47 10.97	CC6-2403SR-E
	18 - 36	5	1.2	6.0	445-3292-ND	11.47 10.97	CC6-2405SR-E
	18 - 36	12 - 15	.400	6.0	445-3293-ND	11.47 10.97	CC6-2412SR-E
	36 - 76	3.3	1.2	5.0	445-3294-ND	11.47 10.97	CC6-4803SR-E
	36 - 76	5	1.2	6.0	445-3295-ND	11.47 10.97	CC6-4805SR-E
	36 - 76	12 - 15	.400	6.0	445-3296-ND	11.47 10.97	CC6-4812SR-E
	4.5 - 9	$\pm 12 - 15$	.250	6.0	445-2481-ND	11.47 10.97	CC6-0512DF-E
	9 - 18	$\pm 12 - 15$	.250	6.0	445-2488-ND	11.47 10.97	CC6-1212DF-E
	18 - 36	$\pm 12 - 15$	.250	6.0	445-2492-ND	11.47 10.97	CC6-2412DF-E
	36 - 76	$\pm 12 - 15$	.200	6.0	445-3322-ND	11.47 10.97	CC6-4812DF-E
	4.5 - 9	$\pm 12 - 15$	.200	6.0	445-3323-ND	11.47 10.97	CC6-0512DR-E
	9 - 18	$\pm 12 - 15$	.200	6.0	445-3324-ND	11.47 10.97	CC6-1212DR-E
4A	18 - 36	$\pm 12 - 15$	.200	6.0	445-3325-ND	11.47 10.97	CC6-2412DR-E
	36 - 76	$\pm 12 - 15$	.200	6.0	445-3326-ND	11.47 10.97	CC6-4812DR-E
	4.5 - 9	3.3	2.5	10	445-2430-ND	18.88 18.30	CC10-0503SF-E
	4.5 - 9	5	2.0	10	445-2431-ND	18.88 18.30	CC10-0505SF-E
	4.5 - 9	12 - 15	.800	10	445-2433-ND	18.88 18.30	CC10-0512SF-E
	9 - 18	3.3	2.5	10	445-2434-ND	18.88 18.30	CC10-1203SF-E
	9 - 18	5	2.0	10	445-2435-ND	18.88 18.30	CC10-1205SF-E
	9 - 18	12 - 15	1.0	10	445-2437-ND	18.88 18.30	CC10-1212SF-E

Fig.	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 10	TDK-Lambda Part No.	
2B	36 - 76	3.3	.800	2.5	445-3283-ND	8.06 7.77	CC3-4803SR-E	
	36 - 76	5	.600	3.0	445-3284-ND	8.06 7.77	CC3-4805SR-E	
	36 - 76	12 - 15	.200	3.0	445-3285-ND	8.06 7.77	CC3-4812SR-E	
CC3 Series — Dual Output								
2A	4.5 - 9	$\pm 12 - 15$	.125	3.0	445-2465-ND	8.06 7.77	CC3-0512DF-E
	9 - 18	$\pm 12 - 15$	.125	3.0	445-2472-ND	8.06 7.77	CC3-1212DF-E
	18 - 36	$\pm 12 - 15$	.125	3.0	445-2476-ND	8.06 7.77	CC3-2412DF-E
	36 - 76	$\pm 12 - 15$	.100	3.0	445-3317-ND	8.06 7.77	CC3-4812DF-E
	4.5 - 9	$\pm 12 - 15$	.100	3.0	445-3318-ND	8.06 7.77	CC3-0512DR-E
	9 - 18	$\pm 12 - 15$	.100	3.0	445-3319-ND	8.06 7.77	CC3-1212DR-E
2B	18 - 36	$\pm 12 - 15$	.100	3.0	445-3320-ND	8.06 7.77	CC3-2412DR-E
	36 - 76	$\pm 12 - 15$	.100	3.0	445-3321-ND	8.06 7.77	CC3-4812DR-E
	CC6 Series — Single Output							
	3A	4.5 - 9	3.3	1.2	6.0	445-2478-ND	11.47 10.97	CC6-0503SF-E
		4.5 - 9	5	1.0	6.0	445-2480-ND	11.47 10.97	CC6-0505SF-E
		4.5 - 9	12 - 15	.500	6.0	445-2482-ND	11.47 10.97	CC6-0512SF-E
9 - 18		3.3	1.2	6.0	445-2484-ND	11.47 10.97	CC6-1203SF-E	
9 - 18		5	1.2	6.0	445-2486-ND	11.47 10.97	CC6-1205SF-E	
9 - 18		12 - 15	.500	6.0	445-2489-ND	11.47 10.97	CC6-1212SF-E	
18 - 36		3.3	1.2	6.0	445-2490-ND	11.47 10.97	CC6-2403SF-E	
18 - 36		5	1.2	6.0	445-2491-ND	11.47 10.97	CC6-2405SF-E	
18 - 36		12 - 15	.500	6.0	445-2493-ND	11.47 10.97	CC6-2412SF-E	
36 - 76		3.3	1.2	5.0	445-3286-ND	11.47 10.97	CC6-4803SF-E	
36 - 76		5	1.2	6.0	445-3287-ND	11.47 10.97	CC6-4805SF-E	
36 - 76		12 - 15	.400	6.0	445-3288-ND	11.47 10.97	CC6-4812SF-E	
3B	4.5 - 9	3.3	1.2	6.0	445-2479-ND	11.47 10.97	CC6-0503SR-E	
	4.5 - 9	5	1.0	6.0	445-2481-ND	11.47 10.97	CC6-0505SR-E	
	4.5 - 9	12 - 15	.500	6.0	445-2483-ND	11.47 10.97	CC6-0512SR-E	
	9 - 18	3.3	1.2	6.0	445-2485-ND	11.47 10.97	CC6-1203SR-E	
	9 - 18	5	1.2	6.0	445-2487-ND	11.47 10.97	CC6-1205SR-E	

Fig. 4 — CC10 Series

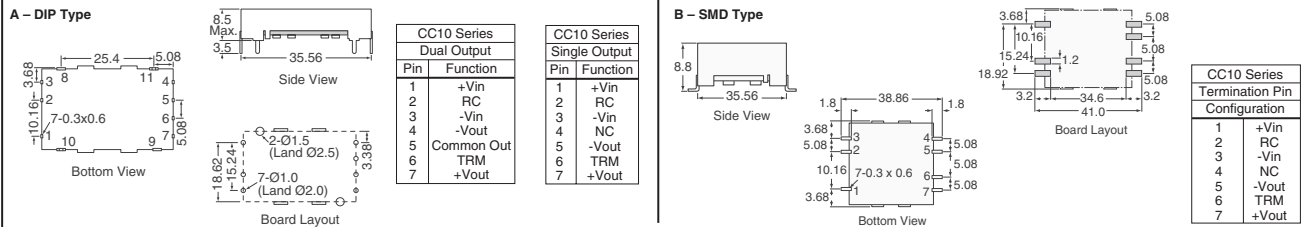


Fig. 5 — CC15 Series

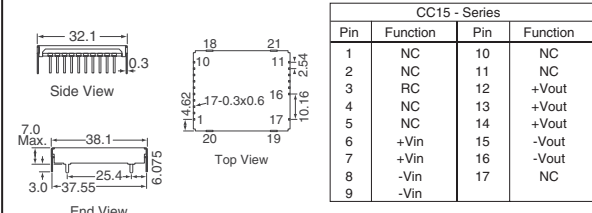


Fig. 6 — CC25 Series

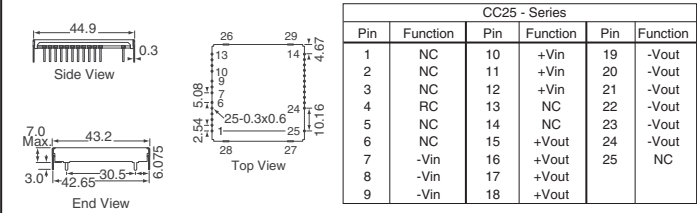


Fig. 7 — PxD Series

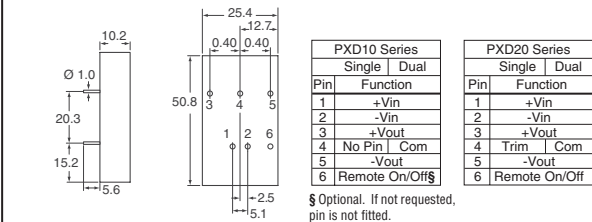


Fig. 8 — PXE Series

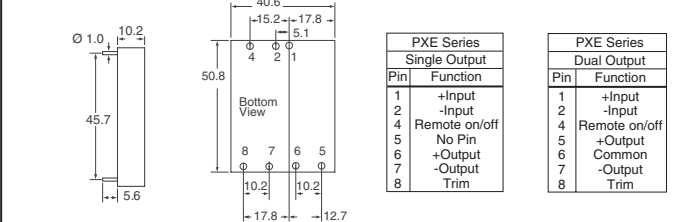
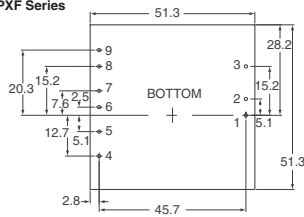


Fig.	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 10	Price Each 100	TDK-Lambda Part No.
4A	18-36	3.3	2.5	10	445-2438-ND	18.88	18.30	CC10-2403SF-E
	18-36	5	2.0	10	445-2439-ND	18.88	18.30	CC10-2405SF-E
	18-36	12-15	1.0	10	445-2441-ND	18.88	18.30	CC10-2412SF-E
	36-76	3.3	2.5	10	445-3297-ND	18.88	18.30	CC10-4803SF-E
	36-76	5	2.0	10	445-3298-ND	18.88	18.30	CC10-4805SF-E
	36-76	12-15	.800	10	445-3299-ND	18.88	18.30	CC10-4812SF-E
4B	4.5-9	3.3	2.5	6.6	445-3300-ND	18.88	18.30	CC10-0503SR-E
	4.5-9	5	2.0	10	445-3301-ND	18.88	18.30	CC10-0505SR-E
	4.5-9	12-15	.640	10	445-3302-ND	18.88	18.30	CC10-0512SR-E
	9-18	3.3	2.5	6.6	445-3303-ND	18.88	18.30	CC10-1203SR-E
	9-18	5	2.0	10	445-3304-ND	18.88	18.30	CC10-1205SR-E
	9-18	12-15	.800	10	445-3305-ND	18.88	18.30	CC10-1212SR-E
4A	18-36	3.3	2.5	10	445-3306-ND	18.88	18.30	CC10-2403SR-E
	18-36	5	2.0	10	445-3307-ND	18.88	18.30	CC10-2405SR-E
	18-36	12-15	.800	10	445-3308-ND	18.88	18.30	CC10-2412SR-E
	36-76	3.3	2.5	10	445-3309-ND	18.88	18.30	CC10-4803SR-E
	36-76	5	2.0	10	445-3310-ND	18.88	18.30	CC10-4805SR-E
	36-76	12-15	.800	10	445-3311-ND	18.88	18.30	CC10-4812SR-E
CC10 Series — Dual Output								
4A	4.5-9	±12-15	.400	10	445-2432-ND	18.88	18.30	CC10-0512DF-E
	9-18	±12-15	.450	10	445-2436-ND	18.88	18.30	CC10-1212DF-E
	18-36	±12-15	.450	10	445-2440-ND	18.88	18.30	CC10-2412DF-E
4B	36-76	±12-15	.360	10	445-3327-ND	18.88	18.30	CC10-4812DF-E
	4.5-9	±12-15	.320	8.5	445-3328-ND	18.88	18.30	CC10-0512DR-E
	9-18	±12-15	.360	10	445-3329-ND	18.88	18.30	CC10-1212DR-E
4B	18-36	±12-15	.360	10	445-3330-ND	18.88	18.30	CC10-2412DR-E
	36-76	±12-15	.360	10	445-3331-ND	18.88	18.30	CC10-4812DR-E
	36-76	±12-15	.360	10	445-3331-ND	18.88	18.30	CC10-4812DR-E
CC15 Series								
5	18-36	3.3	4.5	15	445-2442-ND	25.77	24.69	CC15-2403SF-E
	18-36	5	3.0	15	445-2443-ND	25.77	24.69	CC15-2405SF-E
CC25 Series								
6	18-36	3.3	7.5	25	445-2460-ND	49.32	47.88	CC25-2403SF-E
	18-36	5	5.0	25	445-2461-ND	49.32	47.88	CC25-2405SF-E
PxD Series — Single Output								
7	9-18	5	4.0	20	285-1511-ND	46.46	44.29	PXD2012S05
	9-18	12	1.67	20	285-1512-ND	46.46	44.29	PXD2012S12
	9-18	15	1.33	20	285-1513-ND	46.46	44.29	PXD2012S15
	9-36	5	2.0	10	285-1499-ND	39.93	37.76	PXD1024WS05P
	9-36	5	2.0	10	285-1500-ND	41.38	39.21	PXD1024WS05P
	9-36	12	0.83	10	285-1501-ND	39.93	37.76	PXD1024WS12
	9-36	15	0.67	10	285-1502-ND	39.93	37.76	PXD1024WS15
	18-36	5	4.0	20	285-1516-ND	46.46	44.29	PXD2024S05
	18-36	12	1.67	20	285-1517-ND	46.46	44.29	PXD2024S12
	18-36	15	1.33	20	285-1518-ND	46.46	44.29	PXD2024S15
	18-75	5	2.0	10	285-1506-ND	39.93	37.76	PXD1048WS05
	18-75	12	0.83	10	285-1507-ND	39.93	37.76	PXD1048WS12
18-75	15	0.67	10	285-1508-ND	39.93	37.76	PXD1048WS15	
36-75	3.3	2.0	6.6	285-1503-ND	37.75	36.30	PXD1048S3P3	
36-75	5	4.0	20	285-1521-ND	46.46	44.29	PXD2048S05	
36-75	12	1.67	20	285-1522-ND	46.46	44.29	PXD2048S12	
36-75	15	1.33	20	285-1523-ND	46.46	44.29	PXD2048S15	

Fig.	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 10	Price Each 100	TDK-Lambda Part No.	
PXE Series — Dual Output									
7	9-18	±12	±0.833	20	285-1509-ND	49.37	47.19	PXD2012D12	
	9-18	±15	±0.667	20	285-1510-ND	49.37	47.19	PXD2012D15	
	9-36	±12	±0.416	10	285-1497-ND	42.11	39.93	PXD1024WD12	
	9-36	±15	±0.333	10	285-1498-ND	42.11	39.93	PXD1024WD15	
	18-36	±12	±0.833	20	285-1514-ND	49.37	47.19	PXD2024D12	
	18-36	±15	±0.667	20	285-1515-ND	49.37	47.19	PXD2024D15	
7	18-75	±12	±0.416	10	285-1504-ND	42.11	39.93	PXD1048WD12	
	18-75	±15	±0.333	10	285-1505-ND	42.11	39.93	PXD1048WD15	
	36-75	±12	±0.833	20	285-1519-ND	49.37	47.19	PXD2048D12	
	36-75	±15	±0.667	20	285-1520-ND	49.37	47.19	PXD2048D15	
	PXE Series — Single Output								
	8	9-18	3.3	6.0	18	285-1541-ND	61.71	58.08	PXE3012S3P3
9-18		5	6.0	30	285-1538-ND	61.71	58.08	PXE3012S05	
9-18		12	2.5	30	285-1539-ND	61.71	58.08	PXE3012S12	
9-18		15	2.0	30	285-1540-ND	61.71	58.08	PXE3012S15	
9-36		5	4.0	20	285-1527-ND	48.64	45.74	PXE2024WS05	
9-36		12	1.67	20	285-1528-ND	48.64	45.74	PXE2024WS12	
9-36		15	1.33	20	285-1529-ND	48.64	45.74	PXE2024WS15	
10-40		12	2.5	30	285-1547-ND	70.42	67.52	PXE3024WS12	
18-36		5	6.0	30	285-1544-ND	61.71	58.08	PXE3024S05	
18-36		12	2.5	30	285-1545-ND	61.71	58.08	PXE3024S12	
18-36		15	2.0	30	285-1546-ND	61.71	58.08	PXE3024S15	
18-75		5	4.0	20	285-1533-ND	48.64	45.74	PXE2048WS05	
18-75	12	1.67	20	285-1534-ND	48.64	45.74	PXE2048WS12		
18-75	15	1.33	20	285-1535-ND	48.64	45.74	PXE2048WS15		
36-75	5	6.0	30	285-1550-ND	61.71	58.08	PXE3048S05		
36-75	12	2.5	30	285-1551-ND	61.71	58.08	PXE3048S12		
36-75	15	2.0	30	285-1552-ND	61.71	58.08	PXE3048S15		
PXE Series — Dual Output									
8	9-18	±12	±1.25	30	285-1536-ND	67.52	63.89	PXE3012D12	
	9-18	±15	±1.0	30	285-1537-ND	67.52	63.89	PXE3012D15	
	9-36	±5	±2.0	30	285-1524-ND	55.18	52.28	PXE2024WD05	
	9-36	±12	±0.833	20	285-1525-ND	55.18	52.28	PXE2024WD12	
	9-36	±15	±0.666	20	285-1526-ND	55.18	52.28	PXE2024WD15	
	18-36	±12	±1.25	30	285-1542-ND	67.52	63.89	PXE3024D12	
	18-36	±15	±1.0	30	285-1543-ND	67.52	63.89	PXE3024D15	
	18-75	±5	±2.0	20	285-1530-ND	55.18	52.28	PXE2048WD05	
	18-75	±12	±0.833	20	285-1531-ND	55.18	52.28	PXE2048WD12	
	18-75	±15	±0.666	20	285-1532-ND	55.18	52.28	PXE2048WD15	
	36-75	±12	±1.25	30	285-1548-ND	67.52	63.89	PXE3048D12	
	36-75	±15	±1.0	30	285-1549-ND	67.52	63.89	PXE3048D15	
PXF Series — Single Output									
9	9-18	5	8	40	285-1555-ND	69.70	66.07	PXF4012S05	
	9-18	12	3.333	40	285-1556-ND	69.70	66.07	PXF4012S12	
	9-18	15	2.666	40	285-1557-ND	69.70	66.07	PXF4012S15	
	18-36	3.3	8	40	285-1564-ND	69.70			

Fig. 9 — PXF Series



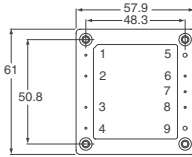
PXF Series Single Output	
Pin	Function
1	+Input
2	-Input
3	Remote on/off
4	No Pin
5	-SenseA
6	+SenseA
7	+Output
8	-Output
9	Trim

PXF Series Dual Output	
Pin	Function
1	+Input
2	-Input
3	Remote on/off
4	No Pin
5	+VO
6	Common
7	Common
8	-VO
9	Trim

PXF Series Triple Output	
Pin	Function
1	+Input
2	-Input
3	Remote on/off
4	+Aux
5	Common
6	-Aux
7	+Output (Com)
8	-Output (Com)
9	N/C

Δ Maximum output deviation is 10% inclusive of remote sense and trim. If remote sense is not being used, the +Sense and -Sense should be connected to their corresponding outputs; +output, -output

Fig. 10 — PAH350, PAH450 Series



PAH350, PAH450 Series	
Pin	Function
1	-Vin
2	CASE
3	CNT
4	+Vin
5	-V
6	-S
7	TRIM
8	+S
9	+V

Fig. 11 — PF Series

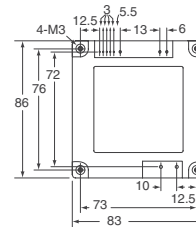
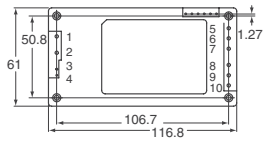


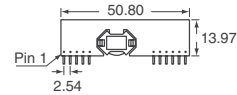
Fig. 12 — PAF500F, PAF600F, PAF-F280 Series



PAF500F, PAF600F Series	
Pin	Function
1	-Vin
2	+Vin
3	-ON/OFF
4	+ON/OFF
5	-V
6	-V
7	-V
8	+V
9	+V
10	+V

PAF-F280 Series	
Pin	Function
1	-Vin
2	+Vin
3	SG
4	CNT
5	-V
6	-V
7	-V
8	+V
9	+V
10	+V

Fig. 13 — iAD Series



Pin spacing - 2.54 mm
00 = positive logic on/off
01 = negative logic on/off

Fig.	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	TDK-Lambda Part No.
9	36 - 75	5	8	40	285-1568-ND	69.70 66.07	PXF4048S05
	36 - 75	12	3.333	40	285-1569-ND	69.70 66.07	PXF4048S12
	36 - 75	15	2.666	40	285-1570-ND	69.70 66.07	PXF4048S15
PXF Series — Dual Output							
9	9 - 18	±12	±1.8	40	285-1553-ND	69.70 66.07	PXF4012D12
	9 - 18	±15	±1.4	40	285-1554-ND	69.70 66.07	PXF4012D15
	18 - 36	±12	±1.8	40	285-1559-ND	69.70 66.07	PXF4024D12
	18 - 36	±15	±1.4	40	285-1560-ND	69.70 66.07	PXF4024D15
	36 - 75	±12	±1.8	40	285-1566-ND	69.70 66.07	PXF4048D12
	36 - 75	±15	±1.4	40	285-1567-ND	69.70 66.07	PXF4048D15
PXF Series — Triple Output							
9	9 - 18	5, ±12	6, ±0.4	40	285-1558-ND	84.22 79.86	PXF4012T0512
	18 - 36	5, ±12	6, ±0.4	40	285-1565-ND	84.22 79.86	PXF4024T0512
	36 - 75	5, ±12	6, ±0.4	40	285-1571-ND	84.22 79.86	PXF4048T0512
PAH350 Series							
10	18 - 36	28	12.5	350	285-1487-ND	97.28 90.75	PAH350S2428
	36 - 76	12	29.2	350	285-1488-ND	97.28 90.75	PAH350S4812
	36 - 76	28	12.5	350	285-1489-ND	97.28 90.75	PAH350S4828

Fig.	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	TDK-Lambda Part No.
PAH450 Series							
10	36 - 76	28	16	448	285-1784-ND	102.37 95.84	PAH450S4828
PF Series							
11	85 - 265VAC	360	—	504/756±	285-1492-ND	111.88 101.72	PF500A-360
PAF500F Series							
12	18 - 36	28	18	504	285-1481-ND	174.24 163.36	PAF500F24-28
PAF600F Series							
12	19 - 36	28	21.5	602	285-1482-ND	196.02 181.50	PAF600F24-28
PAF-F280 Series							
12	200 - 400	12	50	600	285-1483-ND	156.09 145.20	PAF600F280-12/T
	200 - 400	24	25	600	285-1484-ND	156.09 145.20	PAF600F280-24/T
	200 - 400	28	21.5	602	285-1485-ND	156.09 145.20	PAF600F280-28/T
	200 - 400	48	12.5	600	285-1486-ND	156.09 145.20	PAF600F280-48/T
iAD Series — Adjustable Output							
13	6 - 14	0.8 - 5.5	16	80	285-1786-ND†	20.33 10.30	IAD12016A008V-000-R
	6 - 14	0.8 - 5.5	16	80	285-1787-ND	12.23 10.96	IAD12016A008V-001-R

† Positive Logic ‡ 100/200VAC

EMI Filters

Features: MAW Series: • Shielded metal case • Attenuates high voltage pulses **MA Series:** • Easy connection and installation • Captive screws accepting ring tag terminals • Chassis or DIN rail mount • Low frequency attenuation (single stage) **MC Series:** • Low leakage current versions • Chassis or DIN rail mount • High pulse or noise attenuation versions • Easy connection and installation **MB Series:** • High attenuation

wide band two stage filter • Screw terminals with cover • Low profile, metal case **PAN Series:** • Compact size • PCB mount • Suitable for use with Lambda's PAF Series **MBS48 Series:** • High attenuation • Stud terminal connection • Compact size **Note:** For safety and EMI certifications please see series data sheets

Fig. 1 — MAW Series

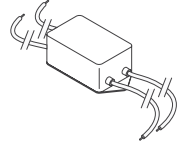


Fig. 2 — MA Series

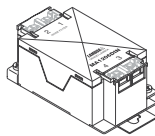


Fig. 3 — MC Series

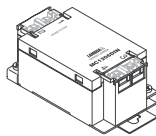


Fig. 4 — MB Series

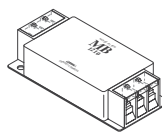


Fig. 5 — PAN Series

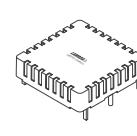


Fig. 6 — MBS48 Series

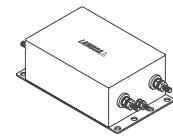


Fig.	Series	Rated Voltage	Rated Current (A)	Digi-Key Part No.	Price Each 1 10	TDK-Lambda Part No.
1	MAW	250VAC/VDC	0.5	285-1464-ND	7.62 7.45	MAW112RS22
			1.0	285-1460-ND	8.35 8.17	MAW120122
			2.0	285-1461-ND	8.53 8.35	MAW120222
			3.0	285-1462-ND	9.80 9.62	MAW120322
			5.0	285-1463-ND	10.16 9.99	MAW120522
2	MA	250VAC/VDC	6	285-1457-ND	19.60 19.06	MA1206DIN
			10	285-1458-ND	20.51 19.97	MA1210DIN
			16	285-1459-ND	21.42 20.88	MA1216DIN
3	MC	250VAC	6	285-1471-ND	25.41 24.69	MC1206DIN
			10	285-1472-ND	27.59 26.87	MC1210DIN

Fig.	Series	Rated Voltage	Rated Current (A)	Digi-Key Part No.	Price Each 1 10	TDK-Lambda Part No.
3	MC	250VAC	20	285-1473-ND	34.12 33.40	MC1220DIN
			30	285-1474-ND	39.93 38.48	MC1230DIN
4	MB	250VAC/VDC	10	285-1465-ND	34.12 33.40	MB1210
			16	285-1466-ND	39.20 38.48	MB1216
			20	285-1467-ND	44.29 43.56	MB1220
			36	285-1468-ND	66.79 65.34	MB1236
5	PAN	76VDC	20	285-1490-ND	23.96 23.24	PAN4820
6	MBS48	48VDC	30	285-1469-ND	51.55 50.10	MBS4830
			50	285-1470-ND	83.49 81.32	MBS4850

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