

# TDK DC-AC Inverters for CCFL

Input Volts	Output (Type)		Inverter Characteristics	Board Dimensions mm (Max.) x W x L	Mating Connector CN1	Contacts CN1	Mating Connector CN2	Contacts CN2	Mating Connector CN3	Contacts CN3	Digi-Key Part No.	Price Each			TDK Part No.
	Volts (V)	I (mA)										1	10	50	
<b>Dimming Function</b>															
4.5 - 6.0	1,500	6.0	4W, Single	8 x 20 x 95.5	None Required	None Required	455-1123	455-1124-1	—	—	445-1617-ND	27.42	24.81	20.90	CXA-L0605-VJL
5.0 - 12.0	900	5.0	2W, Single	6 x 16.5 x 87	WM1723	WM1142CT	455-1123	455-1124-1	—	—	445-1612-ND	25.02	22.64	19.07	CXA-K0505-VJL
10.8 - 13.2	1,250	5.0	8W, Dual	8.5 x 25 x 105	WM1726	WM1142CT	455-1123	455-1124-1	—	—	445-1609-ND	32.88	29.75	25.06	CXA-0308
10.8 - 13.2	1,250	5.0	8W, Dual	8.5 x 25 x 105	WM1726	WM1142CT	455-1123	455-1124-1	—	—	445-1611-ND	32.89	29.76	25.06	CXA-0338
9.0 - 19.0	1,300	5.0	5W, Dual	8 x 30 x 103	WM1726	WM1142CT	455-1123	455-1124-1	—	—	445-1610-ND	35.85	32.44	27.32	CXA-0326
8.0 - 20.0	1,500	5.5	7W, Dual	8 x 25.3 x 180.3	455-1163	455-1127-1	455-1123	455-1124-1	455-1123	455-1124-1	445-1626-ND	78.52	71.05	59.83	CXA-M1112-VJ
10.0 - 15.0	1,500	6.0	4W, Single	8 x 20 x 95.5	WM1723	WM1142CT	455-1123	455-1124-1	—	—	445-1618-ND	23.82	21.56	18.15	CXA-L0612-VJL
10.8 - 13.2	1,500	6.0	5W, Dual	8 x 30 x 140	455-1163	455-1127-1	455-1123	455-1124-1	455-1123	455-1124-1	445-1608-ND	38.13	34.50	29.06	CXA-0271
9.6 - 14.4	1,500	6.0	5W, Dual	8 x 18 x 140.5	WM1723	WM1142CT	455-1123	455-1124-1	455-1123	455-1124-1	445-1627-ND	37.77	34.18	28.78	CXA-M1212-RJL
9.6 - 14.4	1,500	6.0	7W, Dual	8 x 25.3 x 180.3	455-1163	455-1127-1	455-1123	455-1124-1	455-1123	455-1124-1	445-1633-ND	44.01	39.82	33.54	CXA-P1212-VJL
9.6 - 15.0	1,600	6.0	3W, Single	6 x 12 x 105.5	WM1727	WM1142CT	—	—	—	—	445-1613-ND	27.43	24.82	20.90	CXA-K0612-VSL
9.6 - 15.0	1,600	7.0	5W, Single	8 x 20 x 95.5	WM1727	WM1142CT	455-1123	455-1124-1	—	—	445-1620-ND	28.85	26.11	21.99	CXA-L0712-VJL
9.6 - 14.4	1,800	6.0	5W, Single	8 x 20 x 95.5	WM1723	WM1142CT	455-1123	455-1124-1	—	—	445-1619-ND	32.01	28.97	24.39	CXA-L0612A-VJL
10.8 - 13.2	1,700	6.0	8W, Dual	10 x 24 x 147	WM1725	WM1142CT	BHR-04VS-1	455-1124-1	—	—	445-1634-ND	36.12	32.68	27.52	CXA-P1212A-WJL
10.8 - 13.2	1,700	6.0	8W, Dual	8.5 x 21.5 x 153	WM1725	WM1142CT	455-1123	455-1124-1	BHR-04VS-1	455-1124-1	445-1635-ND	45.99	41.61	35.04	CXA-P1212B-WJL
10.8 - 13.2	1.6K	8.0	9W, Dual	8 x 25 x 180	455-1163	455-1127-1	455-1123	455-1124-1	—	—	445-1636-ND	51.72	46.80	39.41	CXA-P1612-VJL
<b>Non-Dimming Function</b>															
5	1,500	5	3.5W, Single	8 x 20.5 x 80.5	WM1727	WM1142CT	455-1123	455-1124-1	—	—	445-1614-ND	16.44	14.88	12.53	CXA-L0505-NJL
12	1,500	5	3.5W, Single	8 x 20.5 x 80.5	WM1727	WM1142CT	455-1123	455-1124-1	—	—	445-1615-ND	14.70	13.30	11.20	CXA-L0612-NJL
12	1,500	5	7W, Dual	8 x 20.5 x 130.5	455-1163	455-1127-1	455-1123	455-1124-1	455-1123	455-1124-1	445-1629-ND	25.05	22.67	19.09	CXA-P1012-NJL
24	1,500	5	3.5W, Single	8 x 20.5 x 80.5	WM1727	WM1142CT	455-1123	455-1124-1	—	—	445-1616-ND	16.44	14.88	12.53	CXA-L0524-NJL
<b>Non-Dimming Function, PCB Mountable Type</b>															
5	900	5 / 10	4.5W, Dual	16.5 x 21 x 44	—	—	—	—	—	—	445-1621-ND	10.26	9.29	7.82	CXA-L10A
5	1,200	5 / 10	6W, Single/Dual	16.5 x 29 x 56	—	—	—	—	—	—	445-1620-ND	12.27	11.11	9.35	CXA-M10A-L
5	1,500	5 / 10	8W, Dual	17 x 29 x 56	—	—	—	—	—	—	445-1630-ND	18.42	16.67	14.04	CXA-P10A-P
12	900	5 / 10	4.5W, Dual	16.5 x 21 x 44	—	—	—	—	—	—	445-1622-ND	10.26	9.29	7.82	CXA-L10L
12	900	7 / 14	9W, Dual	16.5 x 29 x 56	—	—	—	—	—	—	445-1637-ND	13.41	12.14	10.22	CXA-P20L-L
12	1,200	5 / 10	6W, Dual	16.5 x 29 x 56	—	—	—	—	—	—	445-1624-ND	12.27	11.11	9.35	CXA-M10L-L
12	1,500	5 / 10	8W, Dual	17 x 29 x 56	—	—	—	—	—	—	445-1631-ND	19.14	17.32	14.59	CXA-P10L-P
12	1,500	7 / 14	8W, Dual	17 x 29 x 56	—	—	—	—	—	—	445-1628-ND	18.27	16.53	13.92	CXA-M14L-P
24	1,200	5 / 10	6W, Dual	16.5 x 29 x 56	—	—	—	—	—	—	445-1625-ND	12.27	11.11	9.35	CXA-M10M-L
24	1,500	5 / 10	8W, Dual	17 x 29 x 56	—	—	—	—	—	—	445-1632-ND	19.14	17.32	14.59	CXA-P10M-P

RoHS Compliant



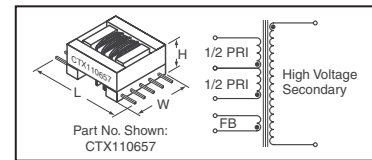
## CCFL Inverter Transformers, SMT

### Specifications:

- Operating Temperature: 0°C - 70°C
- Frequency Range: 40kHz - 80kHz
- Supply Current: 30mA
- IR Reflow Temperature: 240°C for 30 seconds maximum



Mechanical Series	Dimensions - mm		
	L	W	H
A	21.5	14.35	7.8
B	20.6	14.35	8.0
C	26.0	16.5	5.5
D	26.0	16.5	5.5
E	26.0	16.5	7.1



Pout Watts	Mechanical Dimensions	Primary		Secondary		Digi-Key Part No.	Price Each			Coiltronics Part No.
		DCR (Ω) Maximum	Voltage(1) Maximum (VRMS)	DCR (Ω) Maximum	Voltage(1) Maximum (VRMS)		1	10	100	
2.5	A	0.212	15	285	1340	513-1118-ND	7.61	6.92	5.15	CTX110657-R
2.5	B	0.190	13	285	1340	513-1123-ND	7.91	7.19	5.35	CTX210659-R
4.0	C	0.160	15	220	1340	513-1119-ND	7.56	6.87	5.12	CTX210407-R
6.0	D	0.132	15	176	1340	513-1120-ND	7.80	7.09	5.28	CTX110607-R
6.0	E	0.132	15	176	1340	513-1122-ND	7.80	7.09	5.28	CTX210607-R
6.0	E	0.160	20	176	1340	513-1121-ND	7.80	7.09	5.28	CTX210605-R

Note (1): Continuous RMS Voltage.



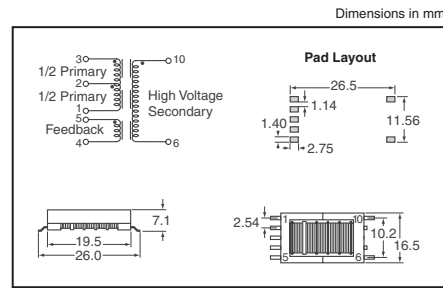
## SMT, CCFL Inverter Transformers



Features: • Power Rating: 6 Watts • Operating Frequency: 60kHz +/-25% • Operating Ambient Temperature: 0°C - 75°C • Storage Temperature: -40°C - 105°C • Dielectric Withstanding Voltage: 1500Vrms

Applications: • LCD flat panel displays • Notebook / Palmtop computers • Portable instruments • Retail terminals

Primary		Secondary		I, rms (mA)	Digi-Key Part No.	Price Each			J.W. Miller Part No.
DCR (Ω) Maximum	Voltage (V)	DCR (Ω) Maximum	Voltage (V)			1	10	25	
0.61	25.0	132	1300	70	M8100-ND	4.20	3.15	2.80	PM61300-1-RC
0.82	20.0	175	1300	70	M8101-ND	4.20	3.15	2.80	PM61300-2-RC
1.10	15.0	175	1300	70	M8102-ND	4.20	3.15	2.80	PM61300-3-RC
1.88	13.0	175	1300	70	M8103-ND	4.20	3.15	2.80	PM61300-4-RC
2.34	10.5	290	1300	70	M8104-ND	4.20	3.15	2.80	PM61300-5-RC



# TAIYO YUDEN DC-AC Inverters for CCFL's



This line of low profile DC to AC inverters are designed to drive cold cathode fluorescent lamp (CCFL) backlighting for LCD displays and are recommended by Sharp, Epson, Optrex, Hitachi, Toshiba and other LCD manufacturers. Superior design techniques are used to provide some of the market's lowest profile CCFL inverters.

Input Voltage (VDC)	Output Voltage (V)	Maximum Current (mA)	Output Power per Lamp (W)	No. of Lamps	Brightness Control	Input Connector	Digi-Key Part No.	Price Each			Taiyo Yuden Part No.
								1	10	100	
10.8 - 13.2	1450	6.0	3.0	2	DC Volt	—	587-2014-ND	35.34	31.98	21.88	KBI-B02D-RH
10.8 - 13.2	930	6.5	13.0	2	DC Volt	—	587-2013-ND	45.07	40.78	27.90	KLS-150A-RH
10.0 - 16.0	1500	7.5	3.5	1	Pot/DC Volt	WM7623CT-ND	587-2005-ND	34.10	30.86	21.12	LS380-RH
10.8 - 13.2	1300	5.2	5.5	2	DC Volt	WM7625CT-ND	587-2006-ND	67.73	61.28	41.93	LS460-RH
9.6 - 14.4	1500	7.0	4.0	2	DC Volt	WM7625CT-ND	587-2007-ND	33.18	30.02	20.54	LS530-RH
4.75 - 5.25	1000	5.2	4.0	2	DC Volt	—	587-2008-ND	33.60	30.40	20.80	LS655-RH
10.8 - 13.2	1650	13.6	8.0	2	PWM/DC Volt	H2225-ND	587-2009-ND	35.49	32.11	21.97	LS700-RH
10.8 - 13.2	1650	13.6	8.0	2	PWM/DC Volt	H2225-ND	587-2010-ND	35.49	32.11	21.97	LS720A-RH
4.5 - 7.0	1500	6.5	4.0	1	DC Volt	WM7676CT-ND	587-2011-ND	38.12	34.49	23.60	SIPF150-RH
8.0 - 20.0	1500	6.5	4.0	1	DC Volt	WM7623CT-ND	587-2012-ND	34.55	31.26	21.39	SIPF200A-RH

More Product Available Online: [www.digikey.com](http://www.digikey.com)

2472 (T083)

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380