

DTW Series



FEATURES:

- AC Input 100~277VAC
- Built-in Active PFC Function
- Protection: SCP / OVP / OTP
- Auxiliary 5V or 3.3V / 0.03A (Max.) output for powering controls
- Built-in Dim to Warm & Brt.adj
- 0-10V Dimming Control
- High Operating Ambient Temp.: 0°C~+50°C
- Surge protection: L-N 1KV
- Safety: UL 8750
- EMI: FCC Part 15 Class B / CE
- Comply with Indoor
- Warranty: 3 years (refer to warranty policy)
- RoHS Compliant

PRODUCT SPECIFICATION

MODEL	DC OUTPUT POWER (W)	DC OUTPUT VOLTAGE (V)	OUTPUT CURRENT (A)	OUTPUT CURRENT TOLERANCE	EFFICIENCY (Typ.)				Power Factor (Typ.)			
					100VAC	120VAC	200VAC	277VAC	100VAC	120VAC	200VAC	277VAC
DTW010U351FFX0	10.5	18-30	0.35	±13%	82.0%	82.0%	83.0%	83.0%	0.99	0.98	0.95	0.91
DTW025U751FFX0	22.5	18-30	0.75	±10%	83.0%	83.0%	84.0%	84.0%	0.99	0.98	0.96	0.92
DTW030U112FFX0	31.5	18-30	1.05	±10%	83.0%	83.0%	84.0%	84.0%	0.99	0.98	0.96	0.92
DTW013U351FFX0	12.6	18-36	0.35	±13%	82.0%	82.0%	83.0%	83.0%	0.99	0.98	0.95	0.91
DTW015U501FFX0	18	18-36	0.5	±10%	83.0%	83.0%	84.0%	84.0%	0.99	0.98	0.96	0.92
DTW025U701FFX0	25.2	18-36	0.7	±10%	83.0%	83.0%	84.0%	84.0%	0.99	0.98	0.96	0.92
DTW015U351FFX0	14.7	21-42	0.35	±13%	82.0%	82.0%	83.0%	83.0%	0.99	0.98	0.95	0.91
DTW020U501FFX0	21	21-42	0.5	±10%	83.0%	83.0%	84.0%	84.0%	0.99	0.98	0.96	0.92
DTW030U701FFX0	29.4	21-42	0.7	±10%	83.0%	83.0%	84.0%	84.0%	0.99	0.98	0.96	0.92
DTW010U201FFX0	11.2	28-56	0.2	±13%	82.0%	82.0%	83.0%	83.0%	0.99	0.98	0.95	0.91
DTW020U301FFX0	16.8	28-56	0.3	±13%	83.0%	83.0%	84.0%	84.0%	0.99	0.98	0.96	0.92
DTW030U501FFX0	28	28-56	0.5	±10%	83.0%	83.0%	84.0%	84.0%	0.99	0.98	0.96	0.92

Input Specifications

	Min.	Typ.	Max.	Units	Conditions/Description
Input Voltage Range	90		305	Vac	
Input Frequency Range	47		63	Hz	
Input Current			0.39	A	100VAC in
Inrush Current			10	A	230VAC in, 25°C Cold start
Leakage Current			0.75	mA	277VAC in
Power Factor (PF)	0.9				100-277VAC, 100% load
Total Harmonics Distortion (THD)			20	%	

Output Specifications

	Min.	Typ.	Max.	Units	Conditions/Description
Line Regulation		±3		%	
Load Regulation		±3		%	
Output Current Regulation			±13	%	
Ripple and Noise (pk-pk)		2		V	20MHz Bandwidth. See note (3)
Ripple Current	<30% of rated output current				*Measured at electronic load LED mode and nominal input voltage with DC10V dimming.
Turn-on Delay Time			1	s	*Measured at 100-277VAC and at full load

Protection Functions

	Min.	Typ.	Max.	Units	Conditions/Description
Short Circuit Protection					will restart automatically after the fault condition is removed
Over Voltage Protection					will restart automatically after the fault condition is removed
Over Temp Protection (Tc)				°C	will restart automatically after the fault condition is removed

Environmental Conditions

	Min.	Typ.	Max.	Units	Conditions/Description
Operating Temperature (Ta)	0		50	°C	Non-condensing
Operating Humidity	10		90	%RH	
Operating Case Temperature (Tc)			75	°C	Case temperature measured at the case hot spot Measured at 100Vac, Ta 50°C
Storage Temperature	-20		80	°C	
Storage Humidity	10		90	%RH	
Life Time	Measured at 277Vac, 56,000 hours at Ta 50°C for DTW030U112FFX0.				
Dimensions(L*W*H)	95 * 57 * 29 mm 3.74 * 2.24 * 1.14 inch				
Weight		110		g	

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EMC Compliance and Safety			
EMC Compliance			
Conducted and Radiated Emission		Comply with EN 55015 (CISPR15)	
Harmonic Current Emissions		Comply with EN 61000-3-2	
Voltage Fluctuations & Flicker		Comply with EN 61000-3-3	
EMI Standards	Electrostatic Discharge (ESD)	Comply with IEC 61000-4-2	8 KV air discharge, 4 KV contact discharge
	RF Electromagnetic Field Susceptibility	Comply with IEC 61000-4-3	
	Electrical Fast Transient	Comply with IEC 61000-4-4	
	Surge Immunity	Comply with IEC 61000-4-5	L-N 1KV
	Conducted RF Disturbances	Comply with IEC 61000-4-6	
	Power Frequency Magnetic Field	Comply with IEC 61000-4-8	
	Voltage Dips	Comply with IEC 61000-4-11	
Safety			
UL	Comply with UL 8750		

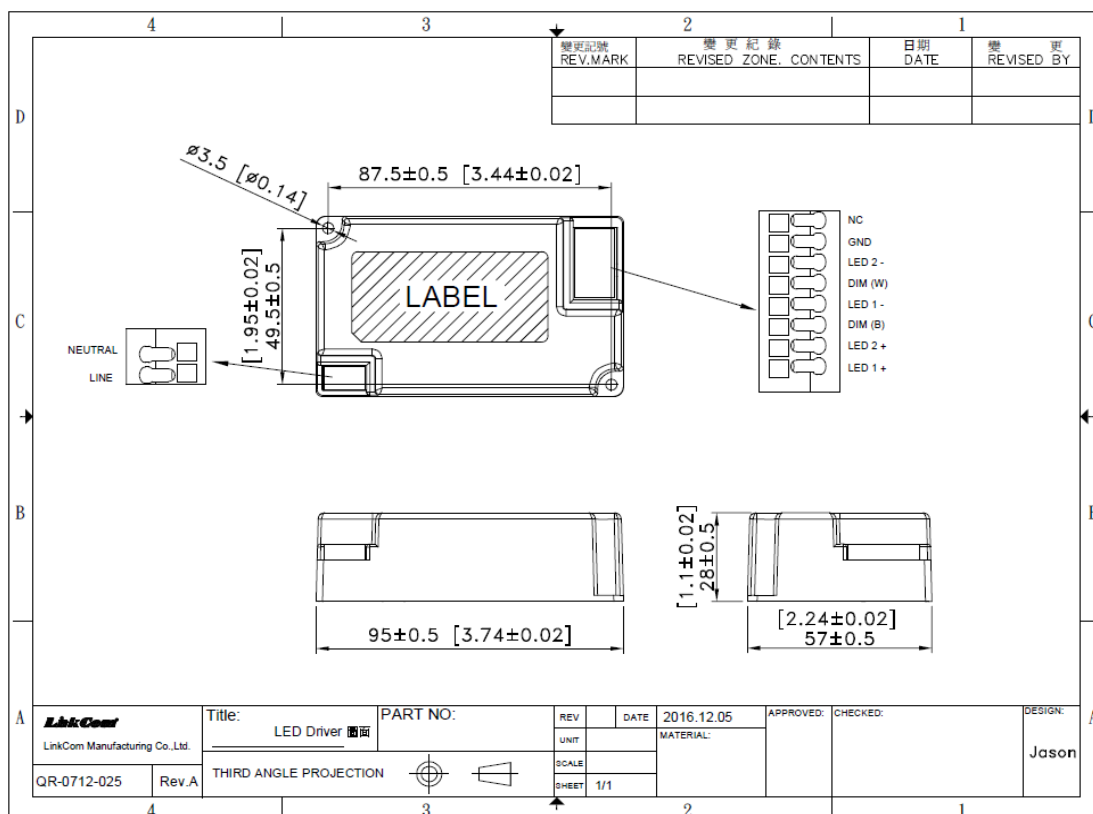
Notes

- (1) All parameters not specially mentioned are measured 230VAC input.
- (2) All specifications Typical @25°C, unless otherwise noted, at normal line and load.
- (3) Ripple and Noise measured directly at pins/terminals at nom. load, 0.1uF bypass and 47uF electrolytic, pk-pk @20MHz bandwidth.
- (4) Specified for free-air convection cooling.
- (5) Minimum load is NOT required for proper operation .

* REFERENCE: www.linkcom.com.tw

* Please contact sales@linkcom.com.tw, sales@linkcomusa.com for more information

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DIMENSIONS

* The above mechanical diagram is for reference only. The actual product should be in accordance with the specification for approval.

* REFERENCE: www.linkcom.com.tw