

PSVT-300W-24V-UNV-010 0-10V DIMMABLE LED DRIVER

SPECIFICATION SHEET

JOB NAME: _____
LOCATION: _____
QUOTE/REF#: _____



PSVT SERIES indoor/outdoor drivers are 0-10V dimming drivers with an integrated UL listed junction box. These efficient, low-voltage power supplies are UL listed, making them safe and inspection ready. The wet/dry housings are IP66 rated designed to fit most installations.

FEATURES

- High power factor/efficiency
- Short circuit and over current protection
- 100~277V AC for any residential or commercial application
- Superior PWM dimming technology
- Factory derated
- Only 10% minimum load
- Full protection aluminum housing
- Cooling by free air convection
- Suitable for LED lighting
- UL Listed, cUL Listed

INPUT

VOLTAGE RANGE	100~277V AC
FREQUENCY RANGE	47~63 Hz
POWER FACTOR	0.99(120V) ; 0.98(230V) ; 0.98(277V)
THD(TYP) @ FULL LOAD	<10%(120V) ; <20%(230V) ; <20%(277V)
EFFICIENCY (AVG)	88%(120V) ; 92%(230V) ; 92%(277V)
AC CURRENT (MAX)	3.4A (100VAC)
INRUSH CURRENT (TYP)	20A,50% , 1.9ms@120V ; 60A,50% 130us@230V ; 35A,50% 1.9ms@277V
LEAKAGE CURRENT	<0.50mA

OUTPUT

DC VOLTAGE	24V DC
RATED CURRENT	12.5A
RATED POWER	300W
VOLTAGE TOLERANCE	±0.5V
VOLTAGE REGULATION	±0.5%
LOAD REGULATION	±1.0%

PROTECTION

SHORT CIRCUIT	Shut down, re-power on
OVERLOAD	≤ 120% shut down o/p voltage
OVER TEMPERATURE	100°C±10°C (212°±50°F) shut down o/p voltage, autorecover.

ENVIRONMENT

WORKING TEMP.	-40~+60°C
WORKING HUMIDITY	20~90% RH, non-condensing
STORAGE TEMP.	-40~+80°C, -40~176°F / 10~95%RH
TEMP COEFFICIENT	±0.03%/°C (0~50°C, 32~122°F)
VIBRATION	10~500Hz, 5G 10min./1 cycle, period for 60min. along X, Y, Z axes

SAFETY & EMC

SAFETY STANDARDS	UL8750+UL1310
WITHSTAND VOLTAGE	I/P-O/P: 1.88KV AC
ISOLATION RESISTANCE	I/PO/P:>100MΩ/500V DC/25°C, 77°F/70% RH
EMC EMISSION	Compliance to FCC Part 15 B

MISC

CLASS 2	NO
WARRANTY	5 YEARS
NET WEIGHT	1.5 Kg.
SIZE	10.94" X 4.33" X 1.77"

