

Project :

Date :

Cat. No. :

Type :

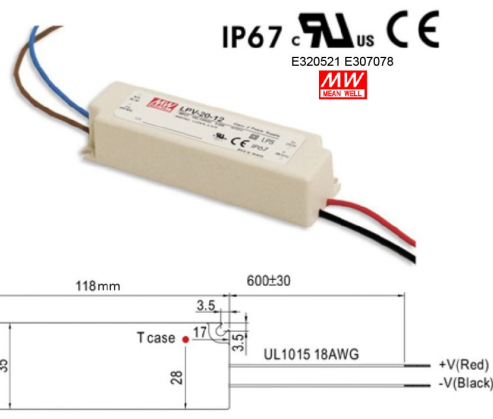
Notes :

Volts :

## CLASS II LED POWER SUPPLY CONSTANT VOLTAGE

### ■ Features :

- Constant voltage design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Small and compact size
- Fully encapsulated with IP67 level (Note.7)
- Fully isolated plastic case
- Class II power unit, no FG
- Pass LPS
- Suitable for LED lighting and moving sign applications
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty



## SPECIFICATION

MODEL	NTLPV-20-12	NTLPV-20-24
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	1.67A
	CURRENT RANGE	0 ~ 1.67A
	RATED POWER	20W
	RIPPLE & NOISE (max.) Note.2	120mVp-p
	VOLTAGE TOLERANCE Note.3	±5.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±2.0%
INPUT	SETUP, RISE TIME Note.6	500ms, 20ms / 230VAC 500ms, 20ms / 115VAC at full load
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load
	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	81% 83%
	AC CURRENT (Typ.)	0.55A/115VAC 0.35A/230VAC
PROTECTION	INRUSH CURRENT(max.)	COLD START 35A/115VAC 70A/230VAC
	LEAKAGE CURRENT	0.25mA / 240VAC
	OVERLOAD	110 ~ 150% rated output power
ENVIRONMENT	OVER VOLTAGE	Protection type : Hiccup mode, recovers automatically after fault condition is removed
	WORKING TEMP.	13.8 ~ 16V 28 ~ 32V
	WORKING HUMIDITY	Protection type : Shut off o/p voltage, clamping by zener diode
SAFETY & EMC	STORAGE TEMP., HUMIDITY	20 ~ 90% RH non-condensing
	TEMP. COEFFICIENT	-40 ~ +80°C, 10 ~ 95% RH
	VIBRATION	±0.03%/°C (0 ~ 50°C)
OTHERS	SAFETY STANDARDS	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
	WITHSTAND VOLTAGE	UL879, UL1310 Class 2, CAN/CSA C22.2 No. 223-M91, IP67 approved
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH
NOTE	EMC EMISSION	I/P-O/P:>3KVAC
	EMC IMMUNITY	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3
	MTBF	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A
	DIMENSION	786.5Khrs min. MIL-HDBK-217F (25°C)
	PACKING	118*35*26mm (L*W*H)
		0.22Kg; 60pcs/14.2Kg/0.62CUFT

### Natech Industrie

1995 Francis Hughes, Laval, Qc H7S 2G2 T: (450) 629-1169, F: (450) 629-1168, [www.natechlighting.com](http://www.natechlighting.com), [service@natechlighting.com](mailto:service@natechlighting.com)

This specification is valid as of 2022-09 and is subject to change without notice. Please confirm with the manufacturer before placing an order.  
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