

A

B

C

D

E

A

B

C

D

E

SEVERAL

N/A

SAFETY STANDARDS COMPLIANCE:
UL8750
UL1310

LVD EN61347-2-13
EMI STANDARDS:
FCC 47 CFR PART 15 CLASS B
CE EN55015, EN61547
EN61000-4-2,3,4,5,6,8,11

SAFETY CERTIFICATIONS
UL E357847
cUL E357847
LVD
A001E120920041S-C
EMC DIRECTIVE
A001E120920041E
ATE20122262

SAFETY

INPUT RANGE:
100 – 277 VAC, 0.4 A @ FULL LOAD.

FREQUENCY: 50 / 60 Hz.
EFFICIENCY: 83 % Typ.
PEAK INRUSH:
10 AMPS @ 115V AC
20 AMPS @ 230V AC

POWER FACTOR: 0.92
LEAKAGE CURRENT:
0.3mA typ

INPUT

LOAD CAPACITY: 25 WATTS
OUTPUT MIN MAX
SEE TABLE

LOAD REG MAX. RIP
5%

OUTPUT

COOLING: CONVECTION
NOISE LEVEL: 0 dB

PROTECTION:
OCP,SCP,OLP
AUTO-RECOVERY

RELIABILITY (MTBF): (MIL-HDBK-217E)
100,000 HRS. @ 25 °C @ FULL LOAD

ENVIRONMENTAL CONDITIONS:
OPERATING TEMPERATURE: -20 ~ 50°C
RELATIVE HUMIDITY: 5 ~ 95%
LOCATION: DRY AND DAMP USE ONLY

CONNECTOR:
WIRES FOR IN/OUT TERMINAL BLOCK: 16~20AWG Stranded

MISCELLANEOUS

5.01 [127.3]
4.74 [120.3]
4.26 [108.3]

0.16 [4.0]
1.61 [40.8]
1.02 [26.0]
0.81 [20.5]
Rec 0.43x0.63 [11.0x16.0]

8-32UNC(*2)
0.16 [4.0]
R0.20 [R5.0]
0.20 [5.0]
0.43 [11.0]
2.00 [50.8]

LED Driver
Isolated Class 2
Constant Current
0-10V Dimmable
MODEL: ESS1025-24-C0450
INPUT: 100-277Vac, 50/60Hz
0.4A, PF: 0.92
OUTPUT: 450mA, 14-24V, 25W max
P/N: 062-1235 Rev: A
Suitable for dry and damp locations
Made in China

LED+
LED-
DIM-
DIM+
10V+
NC

FG
AC-N
AC-L

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DC OUTPUT
AC INPUT

S/N: 0113000000

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LED+
LED-
DIM-
DIM+
10V+
NC

FG
AC-N
AC-L

Units: IN [mm]

0.28 [7.0]
3.00 [76.3]
1.18 [30.0]

These labels are only for 20-4076.
Similar information is required
for all others.

Label on the studs side

Label on the opposite side

Customer P/N
(see table)

P/N	Rev	Cust P/N	Model	Voltage	Current
20-4076	A	062-1235	ESS1025-24-C0450	14~24V	450mA+/-5%
20-4077	A	062-1236	ESS1025-24-C0750	14~24V	750mA+/-5%
20-4078	A	062-1237	ESS1025-24-C0900	14~24V	900mA+/-5%
20-4079	A	062-1238	ESS1025-24-C1050	14~24V	1050mA+/-5%

MANUFACTURED BY: ES

JUNO

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UNLESS OTHERWISE SPECIFIED

QC:

DIMENSIONS IN INCHES [MM]

TOLERANCES:
.X DECIMALS± .05 [1.3]
.XX DECIMALS± .02 [0.5]
.XXX DECIMALS± .005 [0.13]
ANGLES± 1°
FRACTIONS± 1/16

TITLE:
DRAWING FOR ESS1025, CLASS 2, CN-0197, 5 YRS, PL

DO NOT SCALE THIS DRAWING

INTERPRET DRAWING PER
ANSI Y14.5M

APPROVAL DATE: 02/28/2013

EFFECTIVE DATE: 03/12/2013

MODEL NO.
ESL1025

DWG NO.
FD-0076

REV. A0

SH OF
1 1

FD0076A0.DWG

FORM PF-0004

Notes:

- 5 YRS WARR PROVIDED Tc POINT REMAINS BELOW 85°C
- Bar code defined by drawing 77-0120.
- Transformer – Rated Class 130 (B) insulation system