VISDEM

PRODUCT CODE
**SMPS123WH2036**

# LED Driver 12 V · 3 A

Isolated AC–DC switch-mode power supply | Constant voltage | IP20

**12V** CONSTANT VOLTAGE LED DRIVER

**36** W
RATED OUTPUT POWER

**135.0 × 40.0 × 22.0** mm
HOUSING L × W × H

| VOLTAGE | CURRENT | POWER | EFFICIENCY | ISOLATION | INGRESS |
|---|---|---|---|---|---|
| 12 V DC | 3 A | 36 W | ≥ 80 % | Class II | IP20 |

## INPUT

| | |
|---|---|
| AC voltage range | 220–240 V AC |
| Operating voltage range | 100–380 V AC |
| AC input current | - |
| Power factor | ≥ 0.5 |
| Rated input power | 42.2 W ±10% |
| Efficiency | ≥ 80 % |
| Frequency | - |
| High-voltage endurance | 380 V AC, 8 h |

## OUTPUT

| | |
|---|---|
| Output voltage | 12 V ±10% |
| Output current | ≤ 3 A |
| Output power, max. | 36 W ±10% |

## PROTECTION

| | |
|---|---|
| Over-voltage / overload | Yes |
| Short circuit | Yes, with auto restart |
| Topology | Flyback |
| Dielectric strength | 3.7 kV |
| Insulation resistance | 4.0 MΩ at 500 V DC |
| Isolation class | Class II |
| Surge withstand | 4 kV |

## ENVIRONMENTAL

| | |
|---|---|
| Operating ambient | - |
| Case temperature, max. | - |
| Operating humidity | 10 to 95 % RH |

## MECHANICAL

| | |
|---|---|
| Housing material | PC (FR grade) |
| Housing colour | White |
| Dimensions L × W × H | 135.0 × 40.0 × 22.0 mm (±1.0 mm) |
| Weight | 99.9 ±10 g |

## COMPLIANCE

| | |
|---|---|
| Safety standard | - |
| BIS / CRS registration | - |
| RoHS | - |

## LIFETIME AND WARRANTY

| | |
|---|---|
| Rated life | - |
| Warranty | - |

## AVAILABLE RANGE

■ this sheet ☐ available

| | | | | | |
|---|---|---|---|---|---|
| 12 V | 2 A | **3 A** | 5 A | 8 A | 10 A |
| 24 V | 1 A | 2 A | 3 A | | |


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