

## 12W AC/DC WALL-MOUNT POWER ADAPTER

### GDPS-C114-FC

The GDI GDPS-C114-FC is a compact 12 W wall-mount AC/DC power adapter designed to provide stable 12 VDC output at up to 1.0 A. Its universal 100-240 VAC rated input and 90-264 VAC operating range support broad mains compatibility, while low leakage current, controlled ripple and integrated over-current protection support dependable operation in 12 VDC electronic applications.

*Compact 12 W power solution with low standby consumption and automatic-recovery protection.*

#### PRODUCT HIGHLIGHTS

Universal 100-240 VAC input, 12 VDC / 1.0 A output, 0.3 W max no-load power,  $\geq 77.76\%$  average efficiency and  $\leq 150$  mVp-p ripple & noise.

#### PROTECTION & OEM USE

Automatic-recovery over-voltage, short-circuit and over-current protection support dependable OEM, replacement and commercial applications.



**12 VDC / 1.0 A**  
RATED OUTPUT

**12 W**  
RATED POWER

**90-264 VAC**  
OPERATING RANGE

**$\leq 150$  mVp-p**  
RIPPLE & NOISE

## KEY PRODUCT INFORMATION

#### Electrical

Rated input: 100-240 VAC  
Operating range: 90-264 VAC  
Frequency: 50/60 Hz (47-63 Hz range)  
Input current: 0.45 A max  
AC leakage current: 0.25 mA max  
Output: 12 VDC / 1.0 A  
Rated power: 12 W  
No-load power: 0.3 W max  
Average efficiency:  $\geq 77.76\%$

#### Mechanical

Input plug: USA 2-pin, 2 conductors  
Polarity: Center positive (+)  
Cable: 1.5 m, 24 AWG, black  
Dimensions: 60.8 x 35.7 x 25.3 mm  
Enclosure: Black, UL94 V-0

#### Protection & Compliance

- OVP with automatic recovery
- Short-circuit protection with automatic recovery
- OCP: 1.10-1.80 A, automatic recovery
- FCC Part 15 Class B emissions
- RoHS + REACH materials compliance
- Operating temperature: 0°C to +40°C
- Indoor / dry-location use

#### INPUT RANGE

100-240 VAC rated | 90-264 VAC operating

#### OUTPUT PERFORMANCE

12 VDC | 1.0 A | 12 W |  $\leq 150$  mVp-p ripple & noise

Specifications are subject to change without notice. Contact GDI Technology for OEM requirements, custom configurations or detailed engineering specifications.

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