

ARPV-SC7E-12012C (12V, 1A, 12W)



Input voltage: 100~240vac

Output voltage: 12VDC

Input Cable: 1015 18# 105°C BROWN/BLUE
100*6*6+SR45(40*6)

Output Cable: 1015 20# 105°C RED/WHITE
100*6*6+SR45(40*6)

Standard

Safety: EN61347-1, EN61347-2-2.

EMC: EN55015, EN61000-3-2, EN61000-3-0, EN61547

Relative humidity

85% RH. Non-condensing

Electronical specification

INPUT VOLTAGE: 100~240 Vac

INPUT RANGE VOLTAGE: 90~264 Vac

INPUT FREQUENCY: 50-60 Hz

INPUT RANGE FREQUENCY: 47~53 Hz

INPUT CURRENT: 0.18 Amp. rms. at 100 Vac

INRUSH CURRENT: 30 Amp. peak at 120 Vac

50 Amp. peak at 240 Vac

Tested At Max. load 25°C , Cold start

OUTPUT VOLTAGE: 12 V

REGULATION: $\pm 5\%$

MIN. LOAD CURRENT: 0 A

MAX. LOAD CURRENT: 1 A

POWER FACTOR ≥ 0.80 at 230 Vac /50 Hz Full Load .Meets IEC61000-3-2 Harmonic Class C

RIPPLE AND NOISE 1: 1.3 Vp-p Max. At 100 Vac, 50/60 Hz, Max. load 25

RIPPLE AND NOISE 2: 1.3 Vp-p Max. At 240 Vac, 50/60 Hz, Max. load 25

NOISE TEST BANDWIDTH: 20 MHz

Each output bypassed by a 10uF electrolytic capacitor parallel with a 0.1uF ceramic capacitor to GND.

LINE REGULATION: INPUT = 100 ~ 240 Vac. output loaded at Max. load.

REGULATION = $\pm 5\%$

TOTAL OUTPUT: 12 W

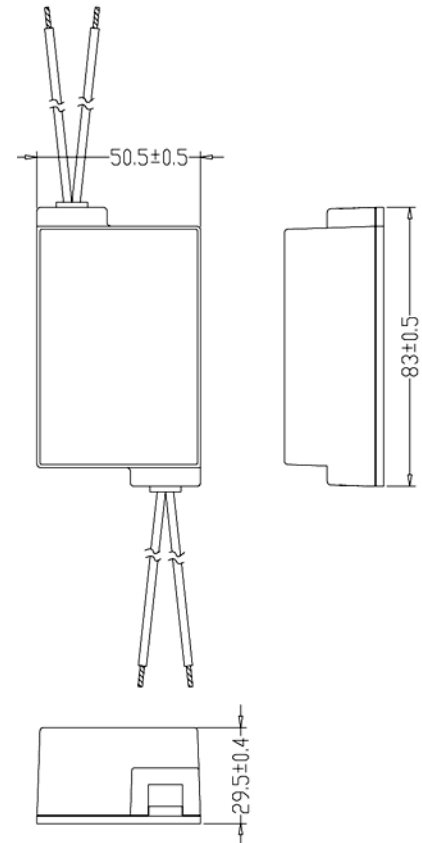
POWER EFFICIENCY: 75% Min. at 100~240 Vac 50/60 Hz. Max. load.

OVER CURRENT PROTECTION , SHORT CIRCUIT PROTECTION

TOTAL POWER PROTECTION: 32 W

OVER VOLTAGE PROTECTION: 15 Vdc Max.

Drawing:



Mechanical specification

DIMENSIONS: 83 (L) * 50.5 (W) * 29.5(H)mm (Tolerance as drawing)

WEIGHT: 85 g Max.

OPERATING TEMPERATURE: 0°C To 40°C

STORAGE TEMPERATURE: -15°C To 60°C

RELATIVE TEMPERATURE: 40°C \pm 2°C

MTBF: 50,000 hrs to MIL-HDBK-217F

Warranty: 1.2 years