



# SA105K-05

5W USB CHARGER

## Input

|                |                      |
|----------------|----------------------|
| Rated Voltage  | 100 - 240 VAC        |
| Max. Voltage   | 90 - 264 VAC         |
| Line Frequency | 47 - 63 Hz           |
| Current        | 150mA, at 100-240VAC |
| Configuration  | UL-2PIN              |

## Output

| Model Name | Voltage | Current | Watt | Efficiency |
|------------|---------|---------|------|------------|
| SA105K-05  | 5V      | 1.0A    | 5W   | 65%        |

|                 |                          |
|-----------------|--------------------------|
| Line Regulation | $\leq \pm 2\%$           |
| Load Regulation | $\leq \pm 5\%$           |
| Protections     | OCP, OVP & Short circuit |
| Ripple Voltage  | $\leq 150\text{mVp-p}$   |

## Environment

|                    |                            |
|--------------------|----------------------------|
| Operating Temp.    | 0°C - 40°C                 |
| Storage Temp.      | -20°C - 80°C               |
| Operating Humidity | 10% - 90% (Non-condensing) |
| RoHS & WEEE        | Standard                   |

## Reliability

|        |                                  |
|--------|----------------------------------|
| MTBF   | 50,000 hrs (by MIL-217 Standard) |
| Safety | ITE: UL, cUL                     |

## Others

|            |             |
|------------|-------------|
| Package    | 100 pcs/box |
| Min. Order | 1K pcs/lot  |
| Warranty   | 1 year      |

For reference only. For details please contact your local sales representative.

## Electrical

|                         |  |
|-------------------------|--|
| Topology                | Switching Mode                               |
| Hi-Pot                  | 3000 Vac/1sec @ 5mA<br>(primary - secondary) |
| Leakage Current         | $\leq 0.25\text{mA}$ , at 264VAC/60Hz        |
| Hold Up Time            | $\geq 8$ mSec.                               |
| Standby Power           | $\leq 0.3\text{Watt}$                        |
| EMI                     | Complies with EMI directives                 |
| Energy Star Requirement | EPS 2.0 (Efficiency Level V)                 |

## Mechanical

|                |  |
|----------------|--|
| Case Size      | 60L x 26W x 41H mm                             |
| Case Material  | Black, 94V-1 or equivalent                     |
| Weight         | 45 $\pm$ 5 g                                   |
| Output Connect | Standard-A Plug (USB)<br>(Without Output Cord) |

