

## AIT Ultra-Isolation Transformers

AIT Ultra-Isolation Transformers are ideal maintenance free solutions for loads that can suffer erratic operation or be damaged by electrical noise (common and series mode) and local transients.

The AIT provides the type of clean electrical supply required by modern telecoms and EPoS hardware. By guaranteeing a spike and noise free supply they help to prevent data processing errors and the type of damage caused by local lightning strikes.

### Applications

- ◆ Telecoms switches, modems, hubs and routers
- ◆ Retail EPoS terminals and workstations
- ◆ Laboratory test gear

### Features

- ◆ Low impedance transformer with Galvanic Isolation
- ◆ Very high Common and Normal Mode Noise Attenuation
- ◆ Low installation and running costs - maintenance free
- ◆ High Mean Time Between Failure (MTBF)
- ◆ Easy to Install

### Options

- ◆ 19 inch rackmount kit
- ◆ All international voltage and frequency variants
- ◆ All major plug and socket types



AIT 500VA standard box all major plug/socket types available

### Operation

Using a low impedance transformer with galvanic isolation and passive filters, AIT's offer an unsurpassed electrical noise and transient attenuation. Their performance far exceeds filter plugs, filtered power distribution strips and electronic conditioners. The filtering works in reverse mode, preventing connected 'noisy' loads from polluting the mains supply.

For sizes larger than 10KVA contact [sales@aelgroup.co.uk](mailto:sales@aelgroup.co.uk)

| Model No   | Power rating | Dimensions<br>W x D x H mm | Weight Kg | Sockets   |
|------------|--------------|----------------------------|-----------|-----------|
| AIT 250*   | 250 VA       | 205 x 265 x 160            | 9         | 2         |
| AIT 500*   | 500 VA       | 205 x 265 x 160            | 13        | 2         |
| AIT 750*   | 750 VA       | 210 x 320 x 196            | 15        | 3         |
| AIT 1000*  | 1 KVA        | 210 x 320 x 196            | 17        | 3         |
| AIT 1500*  | 1.5 KVA      | 210 x 320 x 196            | 22        | 3         |
| AIT 2500*  | 2.5 KVA      | 270 x 500 x 290            | 43        | 4         |
| AIT 3500*  | 3.5 KVA      | 270 x 500 x 290            | 50        | Hardwired |
| AIT 5000*  | 5 KVA        | 270 x 500 x 290            | 67        | Hardwired |
| AIT 8000*  | 8 KVA        |                            |           | Hardwired |
| AIT 10000* | 10 KVA       |                            |           | Hardwired |

\* suffix assigned on voltage and termination choice