

**DATA SHEET**

Date: Dec. 02, 2016

Component Type: **Direct Reading Attenuator**  
 Model (Part No.): **DAD-012E**



MECHANICAL SPECIFICATIONS:

Waveguide Ports: WR-3, UG 387/UM  
 Net weight: 1.8 kg  
 Dimensions: 85 x 140 x 210 (mm)

ELECTRIC SPECIFICATIONS:

|                    |  |
|--------------------|--|
| Type               | Direct Reading, Programmable, Rotary Vane                        |
| Frequency range    | 220 ÷ 325 GHz  |
| Attenuation range  | 0 - 40 dB min  |
| Resolution         | 0.1 dB or better   |
| Accuracy           | ±0.4 (0÷10 dB), ± 0,06A (10÷40 dB, where A is attenuation in dB) |
| Flatness           | ±0.2 dB or ±5%, whichever is greater                             |
| Max input power    | 20 mW  |
| Insertion loss     | 4 dB max   |
| VSWR               | 1.6:1 max  |
| Backlash           | 0.5 dB max   |
| W/G Ports          | WR-03 (0.864x0.432 mm), UG387/UM                                 |
| I/O Port           | USB  |
| Mains power supply | 220±10%V AC, 50Hz nominal  |