

A47 JUMBO Series

47 positions shunt type audio attenuator for large size THT resistors

Features

- 47 positions, with selectable end-stops
- Low profile; 36 mm height
- Up to 2 channels
- For resistors with up to 5 mm body diameter
- Exceptional sonic performance with precise switch feel
- Low-bounce contact system with 3 micron gold plating
- Motorized, IR controllable versions available
- Free Excel resistor calculator tool available

Possible Customization

- PCB design and tapers
- Shafts shapes and concentric construction

Applications

- Mixing desks and outboard studio equipment
- Home audio and home theater

RoHS (2002/95/EC)

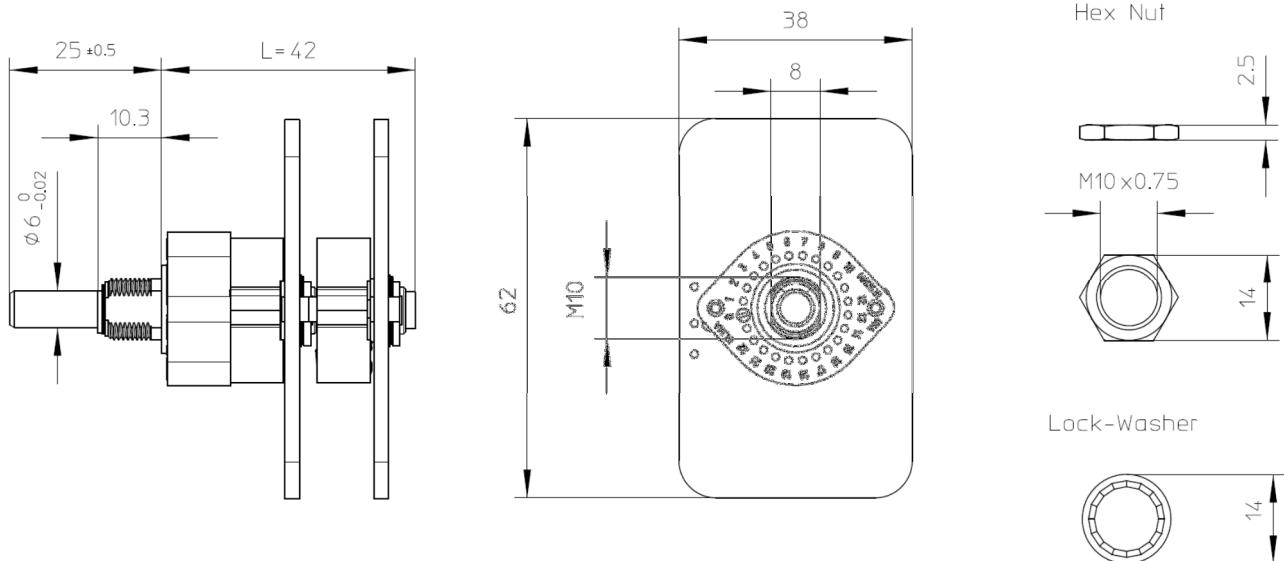
Description

The A47 JUMBO audio switch series incorporates a PCB based switch contact system that is specifically designed to meet audiophile requirements for superb sonic performance.

These shunt type attenuators provide 47 positions and are available in 1 or 2 channel versions, while offering switch turning torques of 1.5, 2.5 and 5 Ncm. The PCB is designed to accommodate a maximum resistor dimension of 5 mm body diameter by 12 mm body length.

The A47 JUMBO series feature Elma's hallmark indexing feel for superior tactile feedback.

Dimensions (mm)

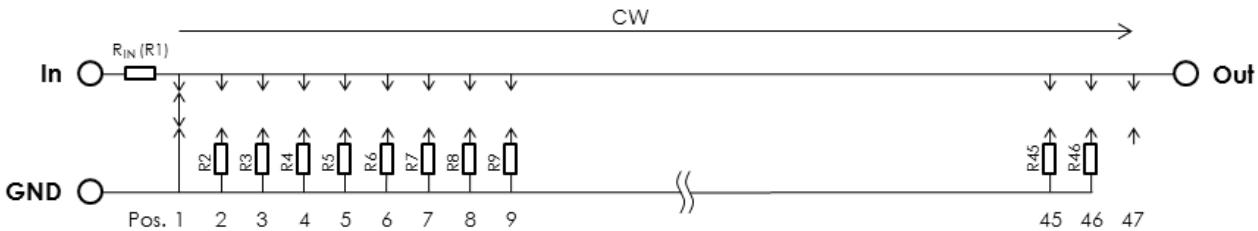


Specifications

General

Indexing Resolution: 47 positions (7.5° indexing; 345° total switch travel)
 Switching torque: 1.5, 2.5 or 5 Ncm (+/- 30%, over temperature range and life)
 Rotational life: 25k cycles (over temperature range, at 120 RPM)
 Contact system: Low-bounce wiper with 3 micron hard gold plated PCB
 Resistors dimension: Ø5 by 12 mm maximum body size, Ø1 mm maximum lead diameter
 Taper: Use free excel calculator to determine resistor values according to desired tapers
 Packaging: Single piece packed, lock washer and two nuts are included

Circuitry and Pin Allocation



Ordering Code

A47 - JUM - -

Switching Torque

- A - 1.5 Ncm
- B - 2.5 Ncm
- C - 5 Ncm

Number of Wafers

- 1 - 1 Wafer
- 2 - 2 Wafers

Accessories to Order

- Spare nut: P/N 5622-16
- Stop screws (10 pcs. pack): P/N 4124-21
- Free Excel resistor calculator: Available from elma.com