

**PRELIMINARY**

**MAIN FEATURES**

47 POSITIONS SHUNT TYPE AUDIO ATTENUATOR FOR LARGE SIZE THT RESISTORS

- > 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

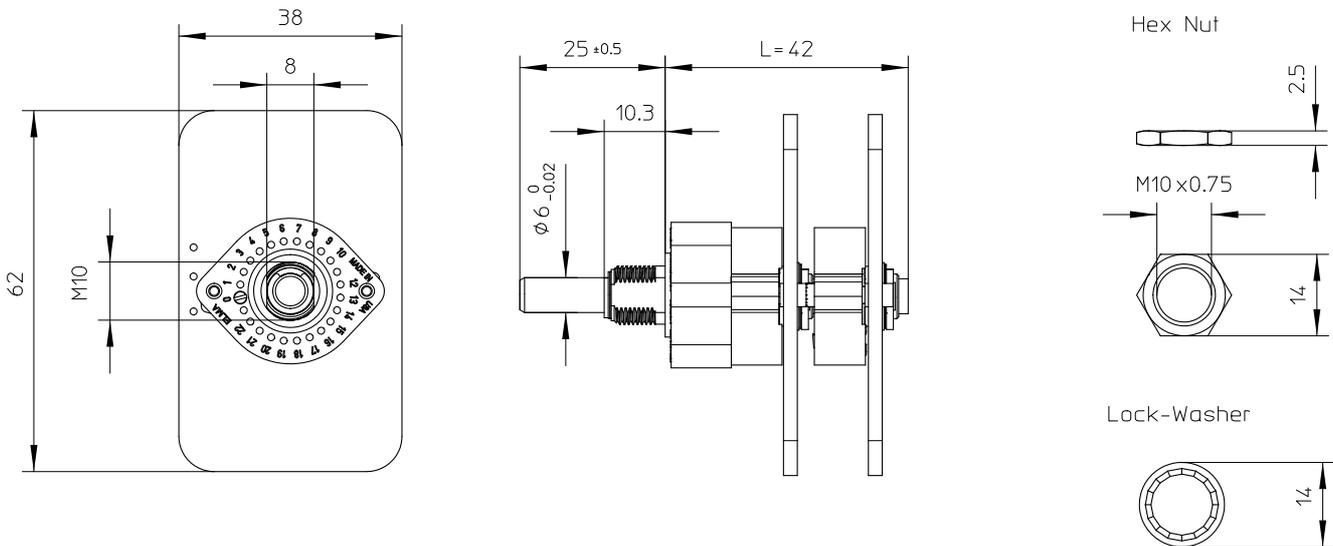
**TYPICAL APPLICATIONS**

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

**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)**



1-wafer; L = 24.5

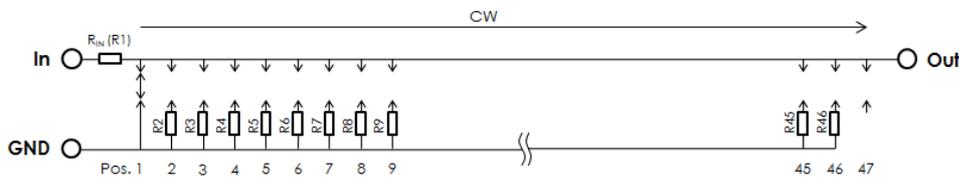
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**TECHNICAL DATA**

**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**



**TYPE KEY**

**A47**   **-**   **JUM**   **-**   **-**

**SWITCHING TORQUE**

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

**NUMBER OF WAFERS**

- 1** 1 wafer
- 2** 1 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 <a href="http://elma.com">elma.com</a>