

A47 Series

High resolution series audio attenuator with 47 positions

Features

- 47 positions, with selectable end-stops
- Low profile; 36 by 36 mm
- Up to 8 channels
- Available with pre-populated thin-film SMT resistors or non-populated THT versions
- 10k, 25k, 50k or 100k Ohms standard input impedance
- 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, concentric construction

Applications

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

RoHS (2002/95/EC)

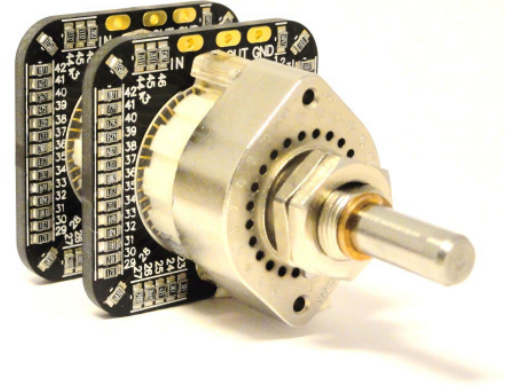
Description

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

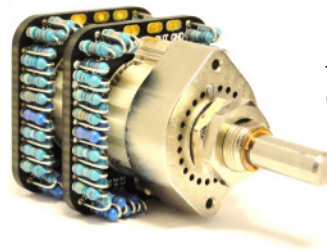
These series attenuators provide 47 positions and are available from 1 to 8 channels. Switch torques of 4 and 8 Ncm are standard, populated with low-noise, high precision SMT resistors (standard input impedances are 10k, 25k, 50k or 100k), or non-populated THT versions which can be populated by the customer.

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

Dimensions (mm)



Two-channel SMT version



Two-channel THT version
(comes non-populated)

Specifications

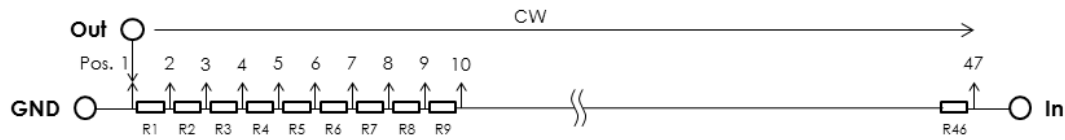
General

Indexing Resolution:.....47 positions (7.5° indexing; 345° total switch travel)
 Switching torque:.....4 or 8 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
 SMT resistors:.....0805 package, thin-film, +/- 0.1%, TCR; +/-25 ppm/°C
 Input impedance:.....10k, 25k, 50k or 100k Ohms
 Packaging:.....Single piece packed, two nuts are included

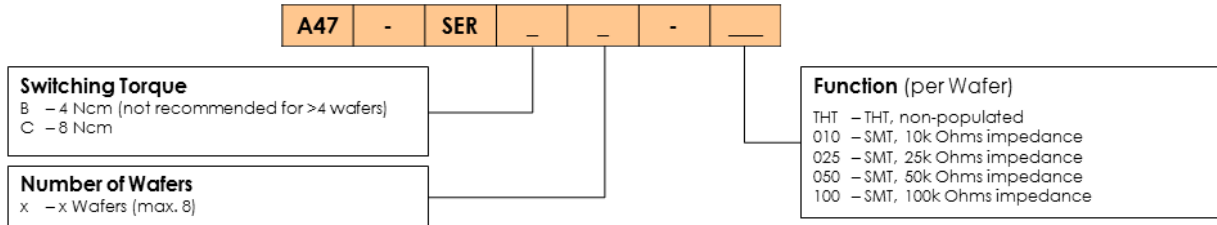
dB Attenuation

Switch Position	1	2	3	4	5	6	7	8	9	10	...	47
Attenuation (dB)	Off	-72	-69	-66	-64	-62	-60	-58.5	-57	-55.5	...	0
Step size (dB)			3	3	2	2	2	1.5	1.5	1.5	...	1.5 ...

Circuitry and Pin Allocation



Ordering Code



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