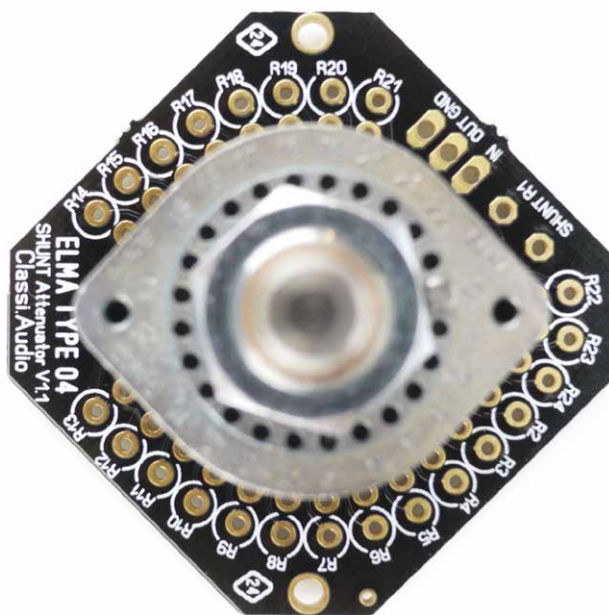


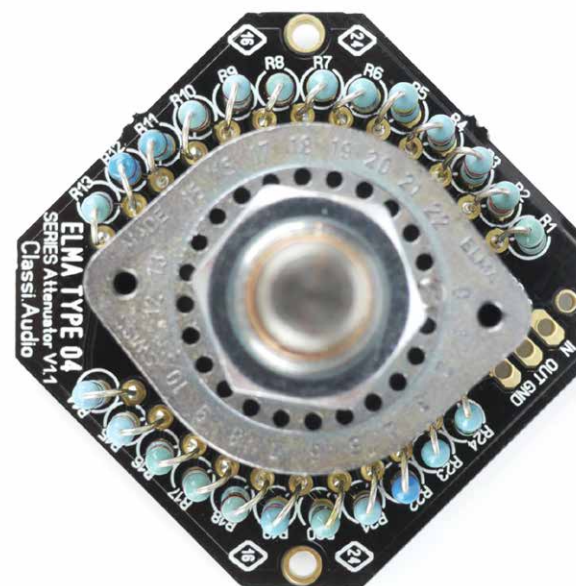
Stepped Audio Attenuators





Shunt Attenuator

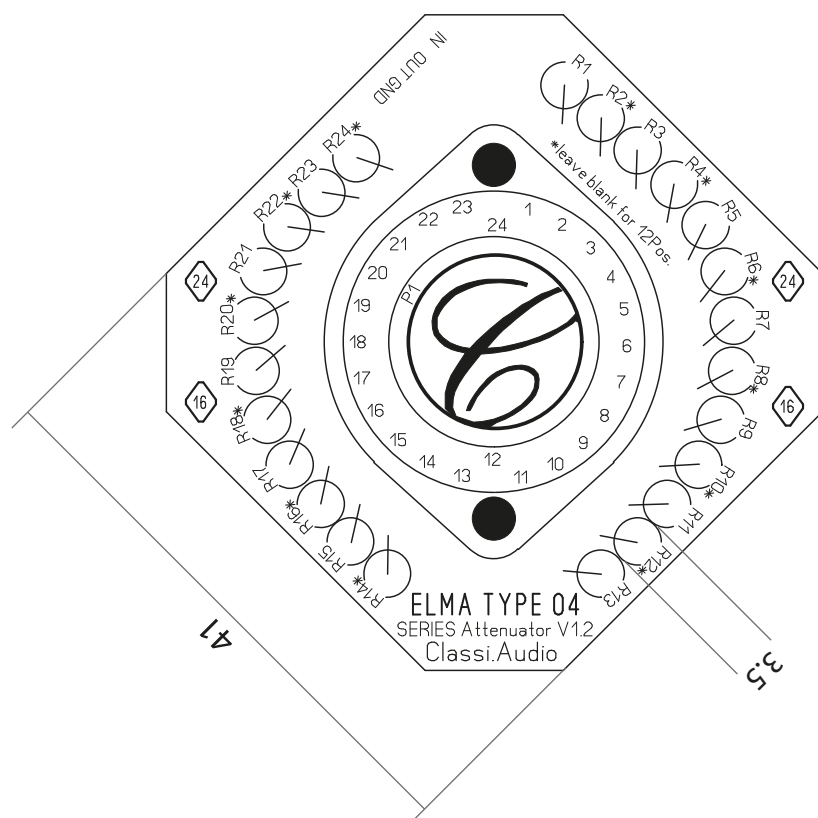
The quality of shunt is the use of only two resistors in the signal path. One input shunt resistor and another loading resistor for each switch-position achieve an ultra-low noise attenuator that meets audiophile quality standards. The Shunt Attenuator is available as THT version or pre-assembled with audio metal-film resistors. Optionale high-end resistors can be assembled as-well up to 3,5mm diameter. The PCB is labeled with numbers to easily DIY.



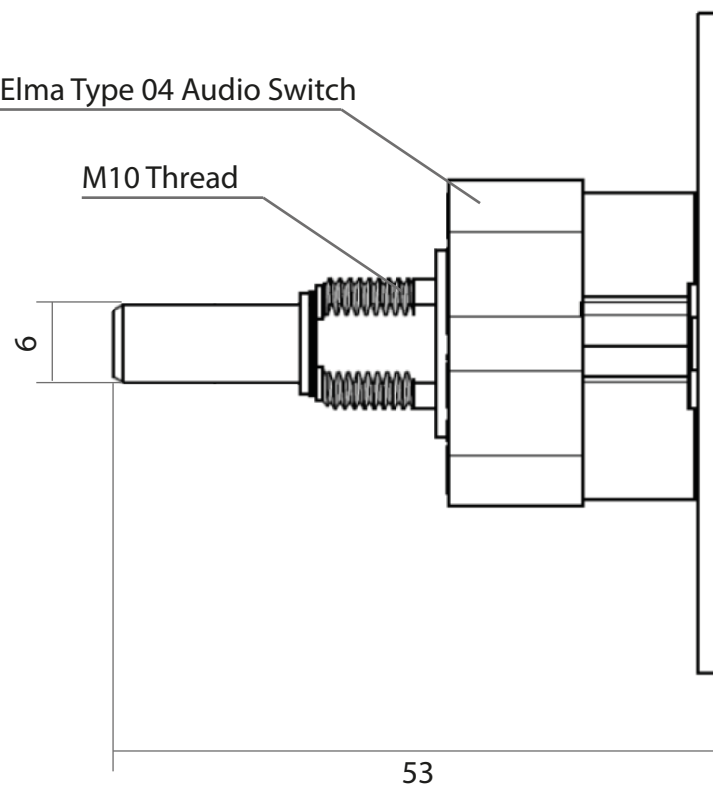
Series Attenuator

Series switches often are used to replace non-stepped potentiometers. Series function can be compared with a potentiometer but as you can assemble any audio resistors as metal-film caps you achieve much more quality plus a absolute recallable stepped switch without quality loss. The resistors are connected in series so each connection has a higher resistance up to your target impedance. The switch position taps the resistance of the series connected resistor chain from 0 to 24.

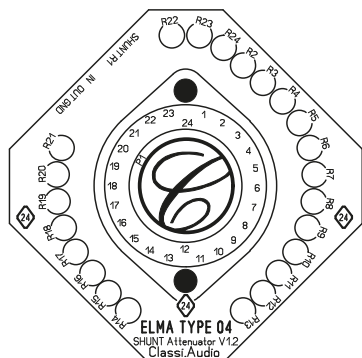
Dimensions in mm



Elma Type 04 Audio Switch



Attenuator Versions



Shunt

Model: Article No.
Shunt THT:
CA24SHU-THT

Shunt Pre-Assembled Metall-Film
Switches:

CA24SHU-200K
CA24SHU-100K
CA24SHU-50K
CA24SHU-20K
CA24SHU-10K

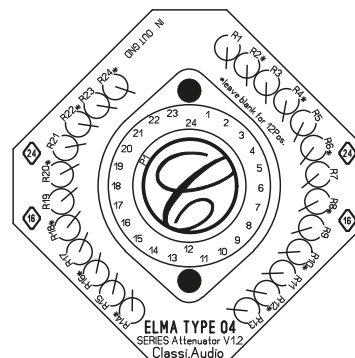
Input Impedance

CA24SHU-XXXX (custom)

Individual Resistor types up to
3,5mm
diameter are also available.



Only PCB SHUNT to Upgrade an Elma 04 Switch
Artcl. No.: CA24SHU-PCB



Series 12/24

Model: Article No.
Series THT:
CA24SER-THT

Shunt Pre-Assembled Metall-Film
Switches:

CA24SER-200K
CA24SER--100K
CA24SER--50K
CA24SER--20K
CA24SER--10K

Input Impedance

CA24SER--XXXX (custom)

Individual Resistor types up to
3,5mm
diameter are also available.



Only PCB SERIES 12/24 to Upgrade an Elma 04 Switch
Artcl. No.: CA24SER-PCB