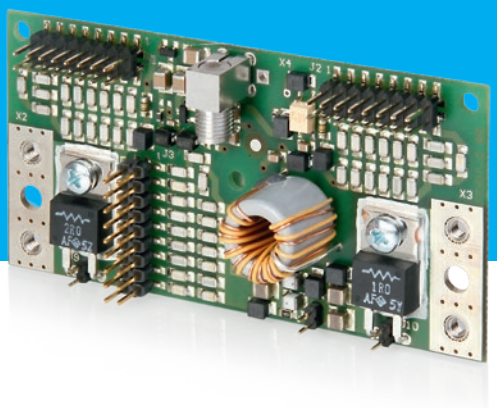
FEIG

ID MAT

MANUAL ANTENNA TUNER

- Universal Antenna Tuner
- Manual tuning and retuning of HF Long Range Antennas
- Available with and without switch for electronic disconnection of the antenna circuit



The tuning board ID MAT-B /-S is a manual adjustable matching circuit for construction of customized single antennas with an operating frequency of 13.56 MHz and an input impedance of 50 Ω.

In connection with an antenna conductor (e. g. aluminium band or copper pipe) antennas of different sizes and shapes can be built easily.

The tuning of the antennas takes place after assembly of the antenna conductor by using individually switchable capacitors. After that the antenna is permanently adjusted to their environment.

The tuning board ID MAT.S-A is able to disconnect the antenna circuit through a electronic switch up to a certain power to prevent coupling effects within complex antenna arrangements.

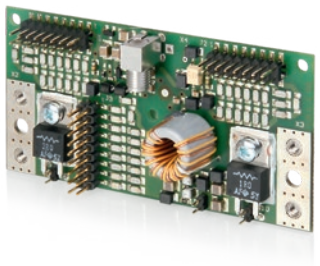
RFIDCanada
Automating Identification

MANUAL ANTENNA TUNER

Manual tuning and retuning of Long Range Antennas
with an operating frequency of 13.56 MHz

Technical data

Dimensions (w x h x d)	
ID MAT-B	90 mm x 45 mm x 17 mm
ID MAT.S-A	90 mm x 45 mm x 19 mm
Weight	approx. 35 g
Operating frequency	13.56 MHz
Antenna conductor connection	Double-sided solder surface with hole for screw attachment (M3)
Transmitting power	max. 8 W
Reader connection	SMA HF socket RG58
Operating frequency	13.56 MHz
Impedance	50 Ω
Tuning range inductivity	0.6 – 2.3 µH
Quality	10 – 50
Temperature range	
Operation	–25 °C up to +55 °C
Storage	–25 °C up to +60 °C



ID MAT

Standard conformity

Vibration	EN 60068-2-6	10 Hz to 150 Hz: 0.075 mm / 1 g
Shock	EN 60068-2-27	Acceleration: 30 g

Order descriptions

ID MAT-B	Manual Antenna Tuning Board
ID MAT.S-A	Manual Antenna Tuning Board with Switch

FEIG

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