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Company with Quality
System Certified by DNV
ISO 9001/2000

MA2705 DECADE INDUCTOR BOX

Description

The MA 2705 consists of three decades made up of coils wound in ferrite pots and mounted on printed circuit boards. Inductance on output terminals is set from 0mH to 999mH in steps of 1mH by three switches.

Values are read-off directly from the front panel.

Inductance deviation from rated value is within limits of $\pm 5\%$ at $I_N/2$.

(I_N is the rated current loading given in the table for individual decade steps for which the declared inductance increases for 2%).

Permitted continuous current loading to 100mA corresponds to most requirements occurring in every practice.

Technical data

Inductance range 0...999 mH

-Three decades

X 1 mH 0...9mH

X 10 mH 0...90 mH

X 100 mH 0...900 mH

Accuracy in temp. $\pm 5\%$

range from 15°C to 40°C at $I_N / 2$

Inductance change $< 2\%$

($\Delta L/L$) due to current variation from $I_N / 2$ to I_N

Capacitance between coils and housing < 50 pF

Test voltage against housing 1.5 kV ac

Current loading max. 100 mA (continuous)



Rated currents

Switch position	Range	I_N (mA)		
		X 1mH	X 10mH	X 100mH
1		80	55	13,7
2		80	53	12,4
3		80	47	10
4		80	40	8,6
5		85	38	6,5
6		80	36	6
7		85	34	5,3
8		80	30	5
9		80	27,5	4,4

Dimensions 205 X 85 X 175mm

Weight 1.15 Kg

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