

FIXED INDUCTORS (AIR & FERRITE CORE) AND FIXED MUTUAL INDUCTORS
OMEGA TYPE -501,502, M505, ATR-175

These are highly stable secondary standard of **Self and Mutual Inductance** for general laboratory applications. These are supplied in sunmica finished wooden boxes. These inductors are secured to a processed silver grey aluminium panel. In case of mutual inductance value, D.C. resistance of primary & secondary coils and maximum current in primary coil is mentioned on the panel & in case of fixed inductors maximum current in primary & D.C. resistance are also mentioned on the panel. Ferrite core have high Q and low resistance in comparison to air core inductors.

Two jack-topped binding parts are used as output terminals. One terminal has been provided for grounding.

FEATURES

- 01 Stable within 0.5%
- 02 Precisely adjusted and accurately calibrated
- 03 No pickup from low external fields
- 04 Free from humidity errors
- 05 Useful at audio frequencies

SPECIFICATIONS

- 01 ACCURACY : $\pm 1\%$ at 1 KHz
- 02 Maximum current in primary for different values of inductance.
100 mH to 5 mH -- 730mA, 10 mH to 500 mH - 100mA, 1 H to 5H - 20mA
- 03 MAXIMUM INPUT POWER: For 20°C rise, 3 W. For precise work 1.5°C rise 200 mW.
- 04 Dimension : W 153 x H 153 x D 70 (Type -501 & M-505),
- 05 Dimension : W 115 x H 115 x D 115 (Type -502)



TYPE-501



TYPE-502



TYPE-M505

Value of Inductance	Current Capacity	Fixed Inductors (Air Core) Omega Type	Fixed Inductors (Ferrite Core) Omega Type	Fixed Mutual Inductors Omega Type
100 mH	730mA	501 - B	502 - B	M - 505 B
200 mH	730mA	501 - C	502 - C	M - 505 C
500 mH	730mA	501 - D	502 - D	M - 505 D
1 mH	730mA	501 - E	502 - E	M - 505 E
2 mH	730mA	501 - F	502 - F	M - 505 F
5 mH	730mA	501 - G	502 - G	M - 505 G
10 mH	100mA	501 - H	502 - H	M - 505 H
20 mH	100mA	501 - J	502 - J	M - 505 J
50 mH	100mA	501 - K	502 - K	M - 505 K
100 mH	100mA	501 - L	502 - L	M - 505 L
200 mH	100mA	501 - M	502 - M	M - 505 M
500 mH	100mA	501 - N	502 - N	M - 505 N
1 H	20mA	501 - P	502 - P	_____
2 H	20mA	501 - Q	502 - Q	_____
5 H	20mA	501 - R	502 - R	_____

Note : Other value on customer requirement.

OMEGA TYPE ATR-175 A.F. Attenuator provides a simple means of voltage attenuation normally required for electronic measurements and telecommunication work.

Both the terminal sides are isolated from ground and either side can be connected.

SPECIFICATIONS

- 01 INPUT/OUTPUT IMPEDANCE : 600 ohms
- 02 TERMINATING RESISTANCE : 600 ohms built in which can be switched 'IN' or 'OUT'
- 03 MAX. INPUT POWER : 2 watt
- 04 ACCURACY : $\pm 3\%$
- 05 FREQUENCY RESPONSE : Within 1 dB from D.C. TO 1MHz
- 06 Dimension : W 290 x H 160 x D 230

Omega Type	No. of Steps	Range	In steps of	No. of dials
ATR-175A	20	0-110 dB	1.0 dB	2
ATR-175B	30	0-111 dB	0.1 dB	3

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

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