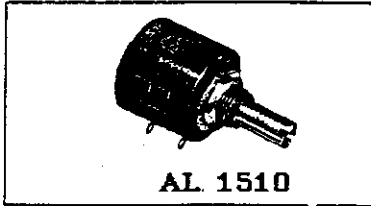


- Vorläufiges Datenblatt -

Präzisions - 10Wendel-Potentiometer

low cost Serie drahtgewickelt

AL 1510 , AL 1610



AL 1510

● Standard Model Nos.

- AL1510 (10-turn, with 6 mm. dia shaft)
- AL1610 (10-turn, with 1/4" dia. shaft)

● General Specifications

Standard Resistance
 Range: 100Ω to 100kΩ

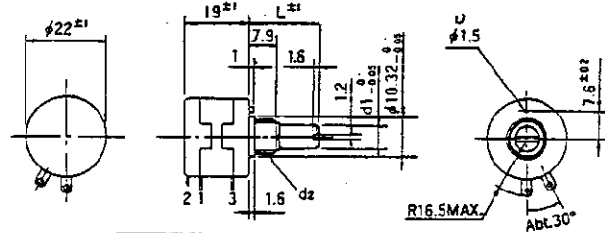
Total Resistance
 Tolerance: ±5%(J)

Independent Linearity
 Tolerance: ±0.25%

Power Rating: 2.0W
 Noise: Below 100Ω E.N.R.
 Electrical Travel: 360°×10±5°
 Mechanical Travel: 360°×10^{+10°}_{0°}

Insulation Resistance: Over 1,000MΩ at 500V.D.C.
 Dielectric Strength: 1 minute at 1,000V.A.C.
 Starting Torque: Below 10mN·m (100gf·cm)
 Stopper Strength: Approx. 0.35N·m (3.5kgf·cm)
 Operating Temperature Range: -30°C~+85°C
 Rotational Life Expectancy (at 25°C):
 1,000,000 Shaft revolutions.
 (under the condition of no load at 40r.p.m.)

● Standard Dimensions



Model No.	Shaft Dimensions		Mounting Screw	Anti-rotation Pin
	d1	L		
AL1510	φ6	20.6	3/8"×32UNEF	Yes
AL1610	φ6.35	20.6	3/8"×32UNEF	Yes

Note: 1 pc. each inner teeth washer and hex nut are attached.

Max. Torque exerted on fastening the mounting nut to the bushing: Below 1.5N·m(15kgf·cm)

Max. Working Voltage: 250V

Resist. Temperature Coefficient of Wire: ±20p.p.m./°C

Materials:
 Shaft: Brass
 Housing case: Glass-filled nylon
 Bushing: Glass-filled nylon
 Terminals: Tin-plated brass
 (All terminals can be fitted with the AMP 110 series faston receptacle (2.8×0.5 mm) or equivalents.)

Weight: Approx. 20g

● Standard Resistance Values ■ No. of Wire Turns ■ Resistance Wire Used

Resist. value (Ω)	100	200	500	1k	2k	5k	10k	20k	50k	100k
AL1510/AL1610	2,100	2,480	3,300	4,000	5,020	5,000	6,400	7,800	10,100	11,000
Resist. Wire Used	Cu-Ni System					Ni-Cr System				

Analog - Einstellknopf Serie IMS

passen zu AL 1510 und AL 1610

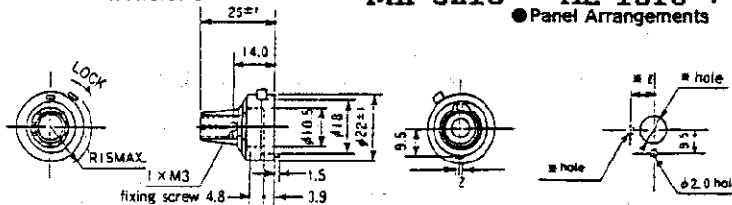
Bestellbez. als Kombination

MK 3110 = AL 1510 + IMS/6
 MK 3210 = AL 1610 + IMS/6.35



IMS/6 u. IMS/6.35

● Standard Dimensions



Note: The dimensions of mark * are determined by the pot. to be mounted.

● General Specifications

Model No.	Number of Turns-Counting	Matching Shaft Dia.	Combinable Helicalohm Pot. (Matching shaft length of 20.6~25mm)	Lock Device	Operating Temperature Range	Weight (Approx.g)
IMS/6	20	6mm.	AL1510/AL1610	Yes	-30°C~+60°C	5
IMS/6.35		1/4"				