

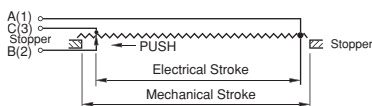
MODEL OF20LP

- Wirewound
- With front extended shaft and with connector
- RoHS Compliant



Model OF20LP50

Terminal Connection Diagram



Standard Model Numbers

Stroke 50mm	OF20LP50
Stroke 100mm	OF20LP100
Stroke 200mm	OF20LP200

Standard Dimensions

Technical drawing showing dimensions: (43), L, 40~40+MS, 8±0.5, 15±0.5, 1.5±0.2, φ14^{+0.02}, φ5^{+0.02}, φ20±1, 17±0.5, M12 P=1.

Model No.	Mechanical Stroke (MS)	L
OF20LP50	Approx. 53	135±1
OF20LP100	Approx. 103	185±1
OF20LP200	Approx. 203	285±1

Specifications of Connector
 Water-proof type
 Number of poles: 6 poles
 Diameter of electrical wire: φ 6.3mm max.

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

General Specifications

Model No.	OF20LP50	OF20LP100	OF20LP200
Standard Resistance Range	100Ω~10kΩ	100Ω~20kΩ	100Ω~50kΩ
Max. Practical Resistance Value	20kΩ	40kΩ	80kΩ
Total Resistance Tolerance	Standard Class	±5% (J)	
	Precision Class	±3% (H)	
Independent Linearity Tolerance	Standard Class	±0.7%	±0.5%
	Precision Class	±0.4%	±0.25%
Power Rating	0.75W	1.0W	2.0W
Noise	Within 100Ω E.N.R.		
Electrical Stroke	50±1mm	100±1mm	200±1mm
Mechanical Stroke (MS)	Approx. 53mm	Approx. 103mm	Approx. 203mm
Insulation Resistance	Over 100MΩ at 500V.D.C.		
Dielectric Strength	1 minute at 900V.A.C.		
Friction	Within 15N (1,500gf)(1.5kgf)		
Stopper Strength	Approx. 90N (9kgf)		
Resistance Temperature Coefficient	±20 p.p.m./°C		
Mass	Approx. 100g	Approx. 150g	Approx. 180g

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

Resist. Value (Ω)	100	200	500	1k	2k	5k	10k	20k	50k
OF20LP50	380	480	470	590	740	1,000	1,250	※ 1,600	—
OF20LP100	610	770	740	930	1,200	1,600	2,000	2,500	—
OF20LP200	970	1,200	1,650	1,500	1,850	2,500	3,200	4,000	※ 5,550
Resist. Wire Used	Cu-Ni System			Ni-Cr System					

Note: Mark ※ shows special high resistance value.

Special Specifications Available

- Extra tap (Available up to 1 tap)
- Special machining on the shaft
- Non-oil-filled type

(In case of the potentiometer with special specifications, the general specifications and environmental specifications may change. Please consult us in advance.)