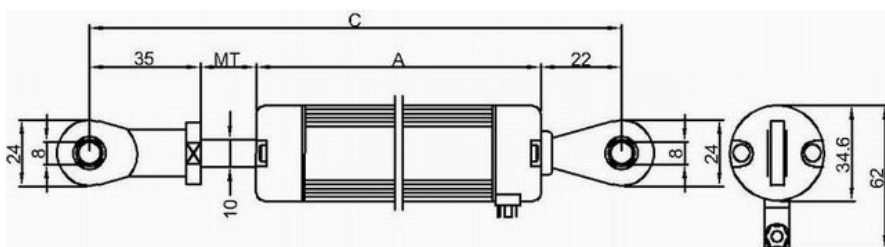


Shanghai JJX Electronics Co.,Ltd

VOLFA Position Transducer

Dimension(mm):



LWE series was designed for a wide range of demanding applications in the mechanical, vehicle, automation and robotics industries. Outstanding linearity and accurate measurement are achieved with a conductive plastic resistance element on a glass fiber reinforced substrate. The wiper system is mounted on the actuating rod and coupled free-of-backlash for a long life and trouble-free operation. VOLFA potentiometers are fundamentally insensitive to electrical and magnetic interference.

Special features:

- twin-bearing actuating rod, more convenient for heavy load application range from 50-900mm.
- mountable via backlash-free pivot heads with a large angle of free movement (up $\pm 12.5^\circ$).
- outstanding linearity $\pm 0.05\%$.
- resolution better than 0.01 mm.
- long life up to 10 million movements, depending on application.

LWF SERIES		50	75	100	130	150	175	200	225	250	275	300	350	375	400	425	450	500	550	600	650	700	750	800	900	
Mechanical Stroke	mm	59	84	109	139	159	184	210	235	260	285	310	360	386	412	437	463	518	568	619	699	720	772	822	924	
Electronics travel	mm	53	78	103	133	153	178	204	229	254	279	304	354	380	406	432	457	508	558	609	659	710	762	812	914	
Measure range	mm	51	76	101	131	151	176	202	227	252	277	302	352	378	404	430	455	506	556	607	657	708	760	810	912	
Resistance $\pm 20\%$	k Ω	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	10	10	10	10	10	
Linear Accuracy	%	0.05																								
Resolution	r	Infinite																								
Operate Current	mA	<10																								
Temperature	$^\circ\text{C}$	-30 ~ +100																								
Protection Level	IP	IP54(Standard),IP65(Optional)																								
Operate Force	N	<1.2N(IP40), <5N (IP50)																								
Capacity	W	3 ~ 10																								
Operating Voltage	V	60V DC																								
Vibration	G	IEC 68-2-6: 1982 10G																								
Shock	G	IEC 68-2-29: 1968 40G																								
Size A (shell)	mm	166	191	216	246	266	291	318	343	368	393	419	484	509	534	561	609	673	723	799	849	899	983	1054	1174	
Size C (shell)	mm	223	248	273	303	323	348	375	400	425	450	476	541	566	591	618	666	730	780	856	906	956	1040	1040	1231	