



## Wriggle (Rolling) Pump Specification

2008-03-06 revised

Specification		Specification Details	Content
<b>General</b>	1.1	Warranty	One Year against defect
	1.2	Duration	200,000 cycles / Under the testing 2sec on - 2sec off Periodily
	1.3	Safety Requirement	ROHS Compliment
	1.4	Outer Sizing	62x58x45 (mm)
	1.5	Application Field	Water / Soap / Oil Pump Application
<b>Ambiance</b>	2.1	Ambient Temp. Range	5~40 degree C
	2.2	Ambient Humidity Range	20~90%
<b>Tube</b>	3.1	Tube Material	silicon
	3,2	Tube Length	Inlet length 13cm and outlet 20cm (default) , ODM adjustable
<b>Electronic</b>	4.1	Power type	DC
	4.2	Power Supply Range	DC 6V~DC9V( Max )
	4.3	Active Current	Less than 380mA when activating, less than 260mA after activating.
	4.4	Viscosity	50 ~ 3500 cP [ Note ]

## TSE Gear Rolling Pump Patent Listing

Apply Date	Patented Country	Patent Number
2003/03/18	China	626849
2003/11/12	Taiwan	M245896
2003/11/21	China	692433
2003/12/16	USA	US6,948,638
2004/01/30	Taiwan	M240013
2004/04/16	Germany	20 2004 005 999.1

**Note :** Viscosity reference : Alcohol : 3 cP , Salad Oil : 50 cP , Water : 1 cP ; 1cP = 1mPa.s



**TAI SHING ELECTRONICS COMPONENTS CORP.**

Header Quarter : 7F-4, No.1 , Wou-Chuan 1 Rd., Hsing-Chung City, Taipei 248 , Taiwan

Taiwan Factory : No.191, Sec2, Zhong Shan Rd., Bali Shiang, Taipei Country 249, Taiwan

China Factory : No.8, DaGang Industrial City, Economic & Technical Development Zone, NingBo, PRC

Web : [www.tai-shing.com.tw](http://www.tai-shing.com.tw) , E-mail : [dino@tai-shing.com.tw](mailto:dino@tai-shing.com.tw)