Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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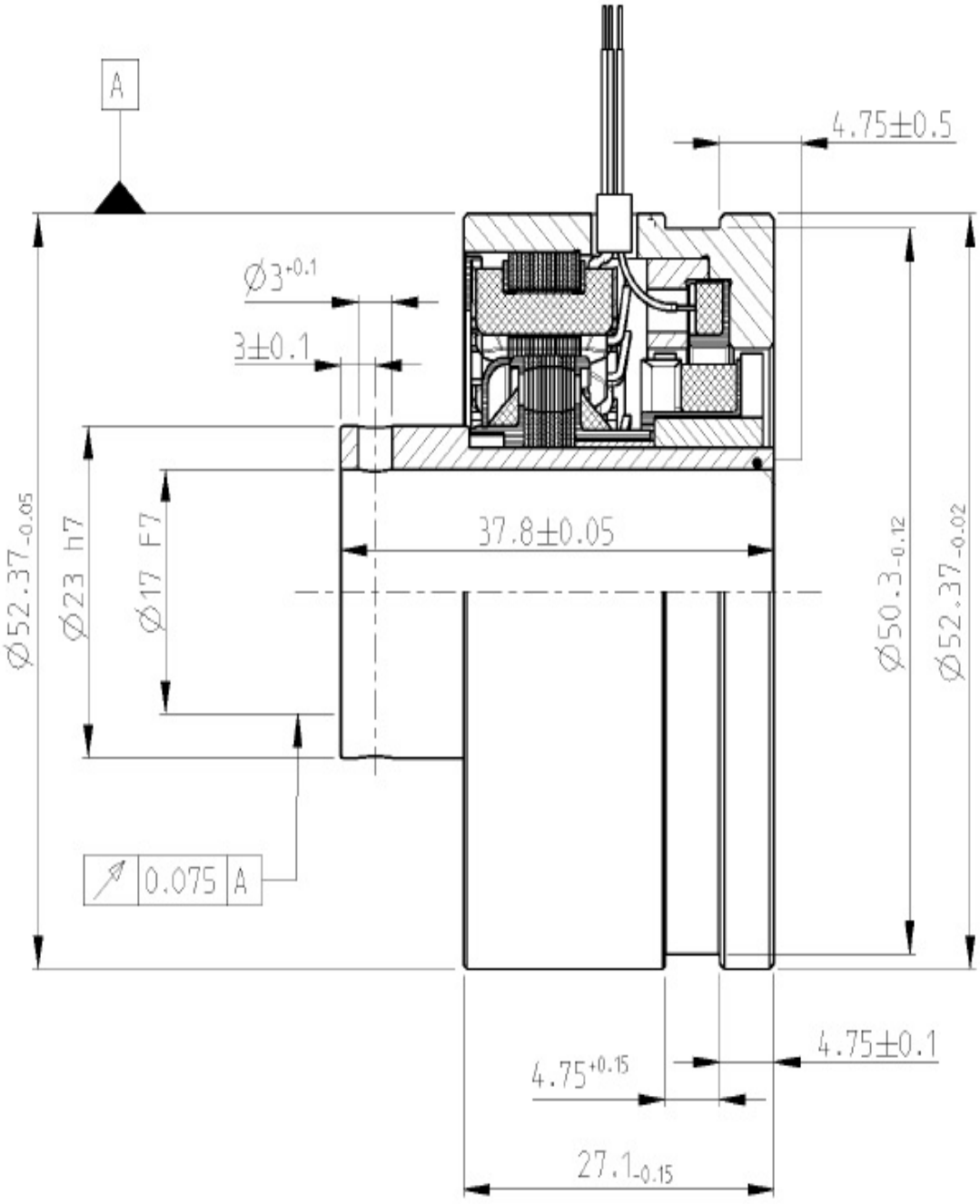
6-1393048-5
Rev. A
25 June 2015

DATA SHEET - HOLLOW SHAFT RESOLVER

PN	6-1393048-5			
Description:	V23401		U7018-B709	
Size	21			
Shaft	B7			
Speed - pair of poles - [pp]	1			
Application Spec				
Test protocol	100% EOL testing, stored. Available up on request			
Electrical parameters (at 22°C):				
Input voltage nom. [Vrms]	3.6		DC resistance R1R2 [Ω]	53
Frequency nom. [kHz]	7.8		R1R2 tolerance [±%]	15
Input current max [mA]	28	Based on nominal Input voltage and Frequency	DC resistance S1S3 or S2S4 [Ω]	58
Transformation ratio rT [±]	0.50		S1S3 or S2S4 tolerance [±%]	10
Transf. ratio tolerance [%]	5			
Phase shift min [º]	-13			
Phase shift max [º]	-3			
Angular Error max [']	16			
Residual voltage max [mV]	15			
Connect. Wire Lenght [mm]	300, AWG 26 Teflon Isolated			
High Voltage test	Voltage: 500 V_{AC} ± 3% (A)		Measured between:	
	250 V_{AC} ± 3% (B)		A: Winding R1-R2 and housing	
	Time: 1s		Winding S1-S3 and housing	
			Winding S2-S4 and housing	
Isolation test	Voltage: 500 V_{DC} ± 5% (A, B)		B: Windings S1-S3 and S2-S4	
	Criterium: $R_{isol.} > 50M\ Ohm$			
"Zero" setting:	Ele. "0" is when Winding Us2-s4 = 0 and Us1-s3 are in phase with Ur1-r2			
Transformation function	Function applies to the clockwise rotation of the rotor when looking at the (grooveless) transformer componnent from the top			
	$U_{S1-S3} = +\mathrm{rT} * U_{R1-R2} * \cos(pp * \varphi)$			
	$U_{S2-S4} = +\mathrm{rT} * U_{R1-R2} * sin(pp * \varphi)$			
Rotor Inertia	approx. $20\ g/cm^2$			
Max. Rotational Speed	20.000 rpm			
Shock resistance (11ms sine)	1000 m/s2			
Vibration (0 … 2 kHz)	200 m/s2			
Operating temp.	-55°C…+150°C			

| Indicates Change



DATE	REV.	DWN	APP	LTR
2015-06-25	A	P. Lerchenfeld	D. Ondrej	1