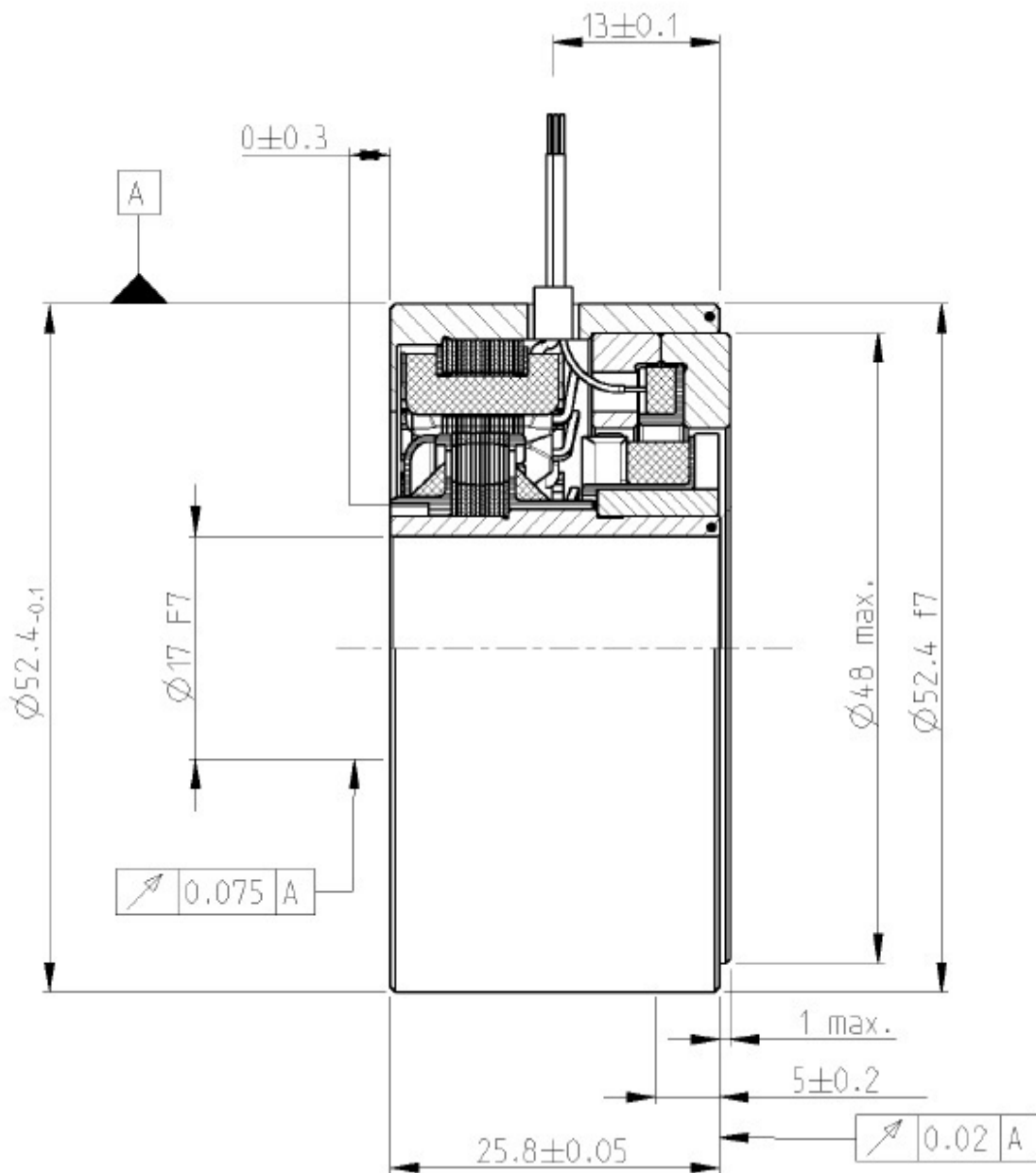




DATA SHEET - HOLLOW SHAFT RESOLVER

PN	2-1393048-8			
Description:	V23401	H6009-B601		
Size	21			
Shaft inner diameter [mm]	17 F7			
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. [V _{rms}]	5	Based on nominal Input voltage and Frequency	DC resistance R1R2 [Ω]	21
Frequency nom. [kHz]	4		R1R2 tolerance [±Ω]	2,1
Input current max [mA]	50		DC resistance S1S3 or S2S4 [Ω]	22
Transformation ratio rT [±]	0,5		S1S3 or S2S4 tolerance [±Ω]	2,2
Transf. ratio tolerance [%]	5			
Phase shift min [°]	1			
Phase shift max [°]	11			
Angular Error [±]	10			
Residual voltage max [mV]	15			
Connect. Wire Length [mm]	300, AWG 26 Teflon Isolated			
High Voltage test	Voltage: 500	$V_{AC} \pm 3\%$ (A)	Measured between:	
	250	$V_{AC} \pm 3\%$ (B)	A: Winding R1-R2 and housing	
	Time: 1s		Winding S1-S3 and housing	
Isolation test	Voltage: 500	$V_{DC} \pm 5\%$ (A, B)	B: Windings S1-S3 and S2-S4	
	Criterion:	$R_{isol.} > 50M\ Ohm$		
"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 component from the top			
	$U_{S1-S3} = + rT * U_{R1-R2} * \cos(pp * \varphi)$			
	$U_{S2-S4} = + rT * U_{R1-R2} * \sin(pp * \varphi)$			
Rotor Inertia	approx. 20 g/cm ²			
Max. Rotational Speed	20.000 rpm			
Shock resistance (11ms sine)	1.000 m/s ²			
Vibration (0 ... 2 kHz)	200 m/s ²			
Operating temp.	-55°C...+150°C			



DATE	PN REV.	DWN	APP	DS. REV
2015-06-25	A	P. Lerchenfeld	D. Ondrej	1
2017-04-26	A	P. Lerchenfeld	D. Ondrej	2

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [General Purpose Relays](#) category:

Click to view products by [TE Connectivity](#) manufacturer:

Other Similar products are found below :

[APF30318](#) [JVN1AF-4.5V-F](#) [PCN-105D3MHZ](#) [5JO-10000S-SIL](#) [5JO-1000CD-SIL](#) [5JO-400CD-SIL](#) [LY2S-AC220/240](#) [LYQ20DC12](#)
[6031007G](#) [6131406HQ](#) [6-1393099-3](#) [6-1393099-8](#) [6-1393122-4](#) [6-1393123-2](#) [6-1393767-1](#) [6-1393843-7](#) [6-1415012-1](#) [6-1419102-2](#) [6-](#)
[1423698-4](#) [6-1608051-6](#) [6-1608067-0](#) [6-1616170-6](#) [6-1616248-2](#) [6-1616282-3](#) [6-1616348-2](#) [6-1616350-1](#) [6-1616350-8](#) [6-1616358-7](#) [6-](#)
[1616359-9](#) [6-1616360-9](#) [6-1616931-6](#) [6-1617039-1](#) [6-1617052-1](#) [6-1617090-2](#) [6-1617090-5](#) [6-1617347-5](#) [6-1617353-3](#) [6-1617801-8](#) [6-](#)
[1617802-2](#) [6-1618107-9](#) [6-1618248-4](#) [M83536/1-027M](#) [CX-4014](#) [MAHC-5494](#) [MAVCD-5419-6](#) [703XCX-120A](#) [7-1393100-5](#) [7-1393111-7](#)
[7-1393144-5](#) [7-1393767-8](#)