# SPECIFICATION

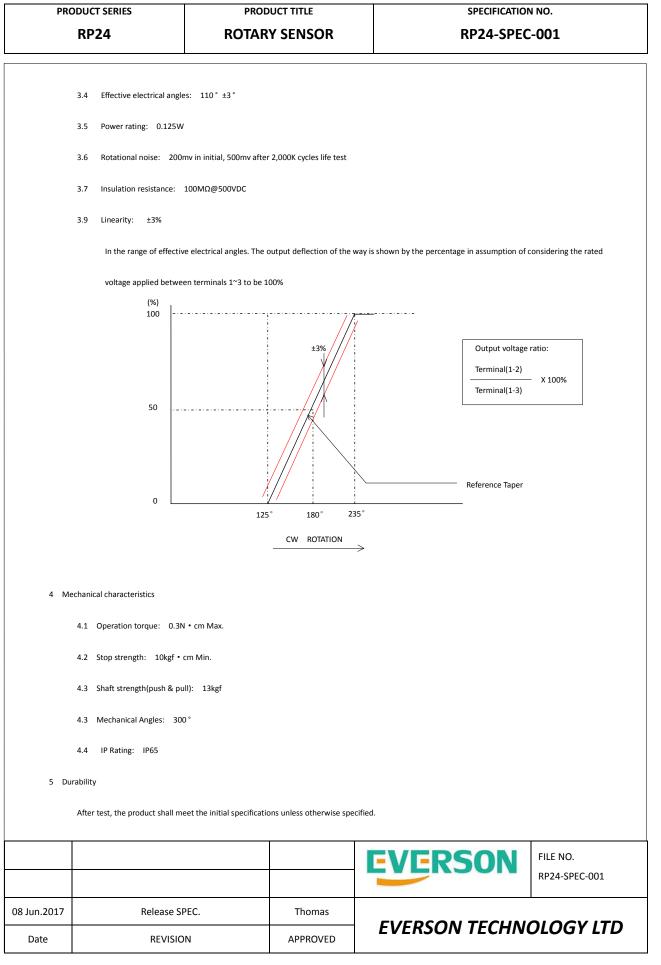
### SHEET 1 OF 3

PRODUCT SERIES		PROD	OUCT TITLE	SPECIFICATIO	N NO.					
RP24		ROTARY SENSOR		RP24-SPEC	C-001					
1 General information										
1.1 Working temperature: −30°C ~85°C										
	1.2 Storage temperature: -40°C ~125°C									
1.3 Test Conditions:										
1.3.1 Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests is as follows:										
	Temperature: 5~35°C									
	Relative humidity: 45%~85%RH									
	Air pressure: 86~106Kpa									
1.3.2 If there are any doubtful points in judgment or reproductively is needed, the test conditions shall be in accordance as below.										
	Temperature: 5~35°C									
	Relative humidity: 45%~85%RH									
	Air pressure: 86~106Kpa									
2 Ap	pearance and Dimension									
		and in the visual increast	ion such as deformation	and brooks						
2.1 Appearance : No damages in the visual inspection, such as deformation and breaks.										
	2.2 Dimension: Please view	<pre>/ product drawing.</pre>								
3 Ele	ectrical characteristics									
	3.1 Rated voltage: DC5V±	0.5V								
3.2 Total resistance: 5KΩ±20%										
3.3 Resistance taper: Linearity										
	5V									
4V										
3V										
2V										
0V 235°										
				<b>EVERSON</b>	FILE NO.					
					RP24-SPEC-001					
08 Jun.2017	Release SPEC. REVISION		Thomas	EVERSON TECHNOLOGY LTD						
Date			APPROVED							

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#### SHEET 2 OF 3





# SPECIFICATION

### SHEET 3 OF 3

PRODUCT SERIES		PROD	OUCT TITLE	SPECIFICATIO	N NO.			
	RP24	ROTAR	Y SENSOR	RP24-SPEC	C-001			
RP24 ROTARY SENSOR RP24-SPEC-001   SPEC: Rotational life test: SPEC: Test resistance value change lower than ±10% Max. after2,000K life cycles. (1 cycle: Rotate the shaft from the end of CCW to the return to the end of CCW ).   Test Condition as below: 5.1.1 Test expose temperature: Room temperature.   5.1.2 Test angles: between 125" to 235".   5.1.3 Test speed: 2000 cycles /H.   5.1.4 Test cycle: 2,000K cycles.   5.1.5 No load test. 5.15 No load test.   5.2 Dry heat test: SPEC: Resistance value change within ±10%, electrical & mechanical functions meet specs   Test Condition: 96hours at 125±2°C and air dry 2hours.   5.3 Cold test: SPEC: Resistance value change within ±10%, electrical & mechanical functions meet specs   Test Condition: 96hours at 125±2°C and air dry 2hours.   5.3 Cold test: SPEC: Resistance value change within ±10%, electrical & mechanical functions meet specs								
Test Condition: 96hours at -40 $\pm$ 2°C and air dry 2hours. 5.4 Humidity test:								
SPEC: Resistance value change within ±20%, electrical & mechanical functions meet specs Test Condition: 96hours at 40 $\pm$ 2°C &95%RH and air dry 96hours.								
6 Sol	ldering 6.1 Hand soldering: $350^{\circ}C \pm$	$5^\circ\!C$ for 3 seconds Max.						
				EVERSON	FILE NO. RP24-SPEC-001			
08 Jun.2017	Release SF	PEC.	Thomas	EVERSON TECHNOLOGY LTD				
Date	REVISIO	N	APPROVED					