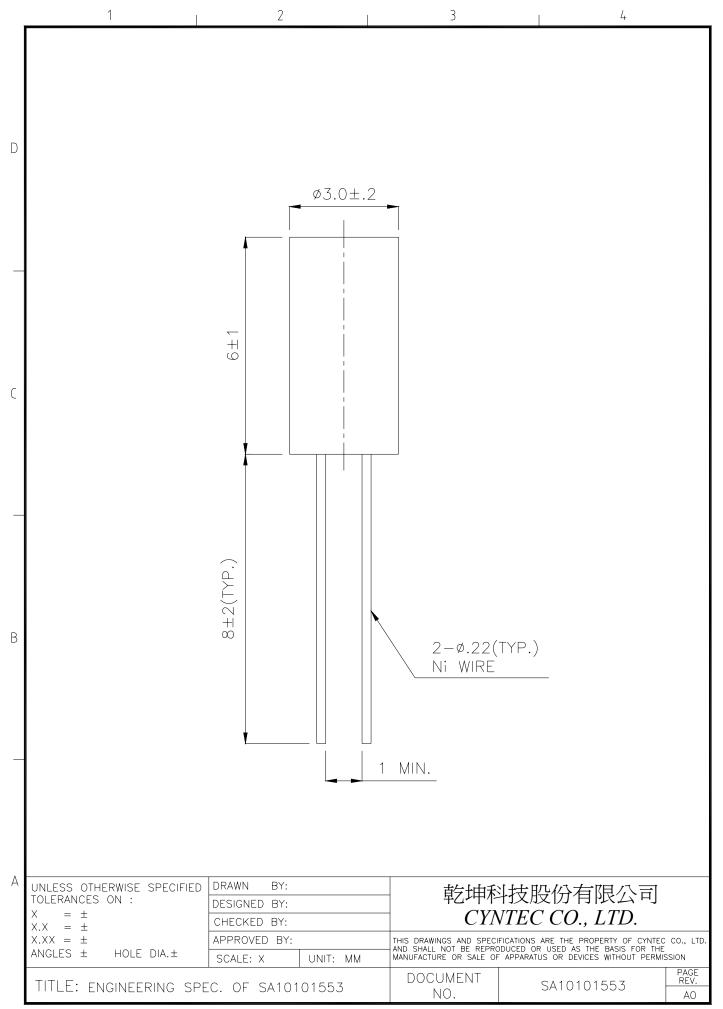
D						
	Specification of Pt Thermal Sensor					
	1. Electrical Characteristics of SA10101553 1-1 Resistance value (at0°C) :100±0.12 ohm 1-2 Maximum applied current :1mA 1-3 Insulation resistance :exceed 100M ohm at 500V DC (@ room temp.) 1-4 Thermal response time (90%) :30 sec. max.(in air, 1m/sec.) 1-5 Self heating :5 mW/°C(in air, 1m, sec.) 1-6 Operation temperature range :-50°C to 500°C					
C	2. Outline Drawings Please see attached figure.					
В	 3. Reliability Test 3. Reliability Test 3-1 High temperature test Keep the Pt sensor in 500°C for 1000 hours 3-2 Low temperature test Keep the Pt sensor in -50°C for 1000 hours 3-3 Humidity test Keep the Pt sensor in 60°C and 90 to 95% RH for 1000 hours 3-4 Thermal shock test Keep the Pt sensor in 0°C ice water for at least 15 sec., then within 10 sec. directly put into 100°C hot water for at least 15 sec The above process should be proceeded for at least 10 cycles. After each item test, valuation of item 1-1 should be within 0.12% and item 1-3 should exceed 100M ohm at 500VDC. 					
А	UNLESS OTHERWISE SPECIFIED TOLERANCES ON : DRAWN BY: DESIGNED BY: X = ± DRAWN BY: DESIGNED BY: CYNTEC CO. LTD					
	X.X = ± APPROVED BY: This drawings and specifications are the property of cyntec co., ltd. ANGLES ± HOLE DIA.± SCALE: X UNIT: X					
	TITLE: ENGINEERING SPEC. OF SA10101553 DOCUMENT SA10101553 A0					



	1	2	1 3	4		
D	Temperature (°C) -50 -25 0 25 50 75	Nominal Resistance(ohm) 80.31 90.19 100.00 109.73 119.40 128.99	Resistance Deviation(ohm) 0.22 0.17 0.12 0.16 0.21 0.26	Temperature Deviation(ohm) 0.55 0.43 0.30 0.43 0.55 0.68		
_	100 125 150 175 200 225 250	138.51 147.95 157.33 166.63 175.86 185.01 194.10	0.30 0.35 0.39 0.44 0.48 0.52 0.56	0.80 0.93 1.05 1.18 1.30 1.43 1.55		
С	275 300 325 350 375 400 425 450 475	203.11 212.05 220.92 229.72 238.44 247.09 255.67 264.18 272.61	0.60 0.64 0.68 0.72 0.76 0.79 0.83 0.86 0.90	1.68 1.80 1.93 2.05 2.18 2.30 2.43 2.55 2.68		
_	500	280.98	0.93	2.80		
В	(1)Relationship of temperature with resistance When $t \ge 0^{\circ}C$ When $t < 0^{\circ}C$ Rt=R o (1+At+Bt ²) Rt=R o [1+At+Bt ² +C(t-100)t ³] A=3.9083E-03 A=3.9083E-03 B=-5.7750E-07 B=-5.7750E-07 C=-4.1830E-12 R o =1.000E+02					
	(2)Temperature deviation (2)					
_	±(a+b t) °C a=0.300 b=0.005					
(3)Specification are subject to change without notice						
TOLI X X.X			CYN	— 乾坤科技股份有限公司 CYNTEC CO., LTD.		
	$X = \pm$ GLES ± HOLE DIA.±	APPROVED BY: SCALE: X UNIT: X	AND SHALL NOT BE REPROD MANUFACTURE OR SALE OF	ICATIONS ARE THE PROPERTY OF CYNTEC CO., LTD. JUCED OR USED AS THE BASIS FOR THE APPARATUS OR DEVICES WITHOUT PERMISSION		
TIT	TLE: ENGINEERING S	SPEC. OF SA10101553	DOCUMENT NO.	SA10101553 REV. A0		