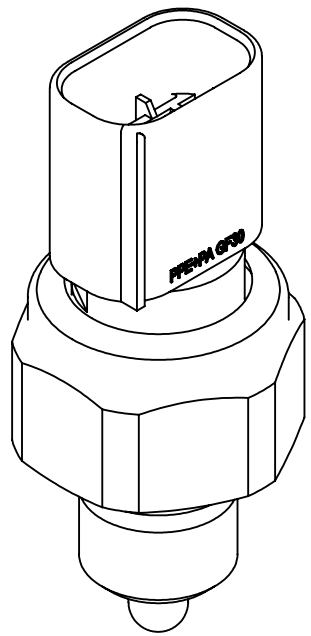
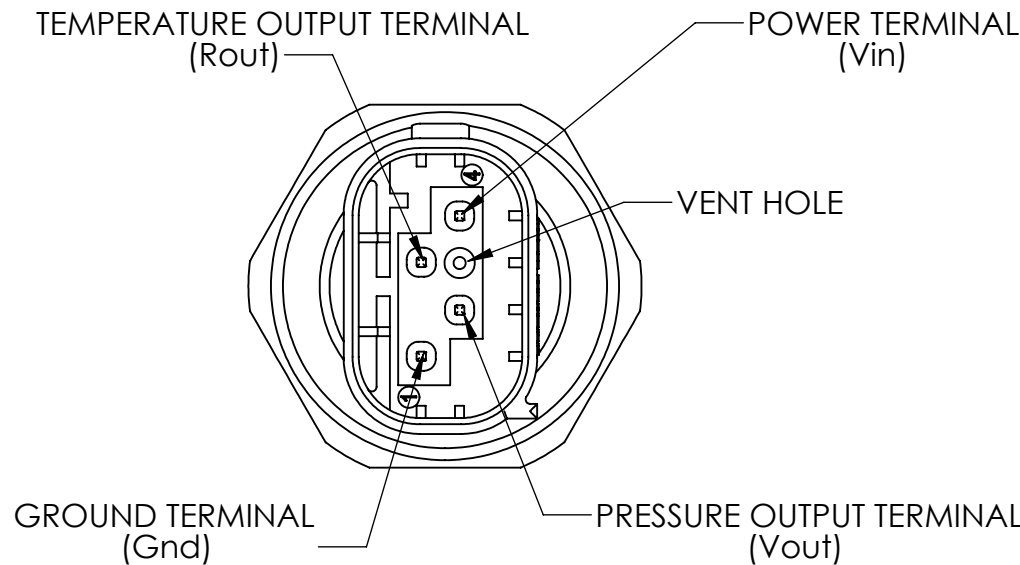


ENVELOPE

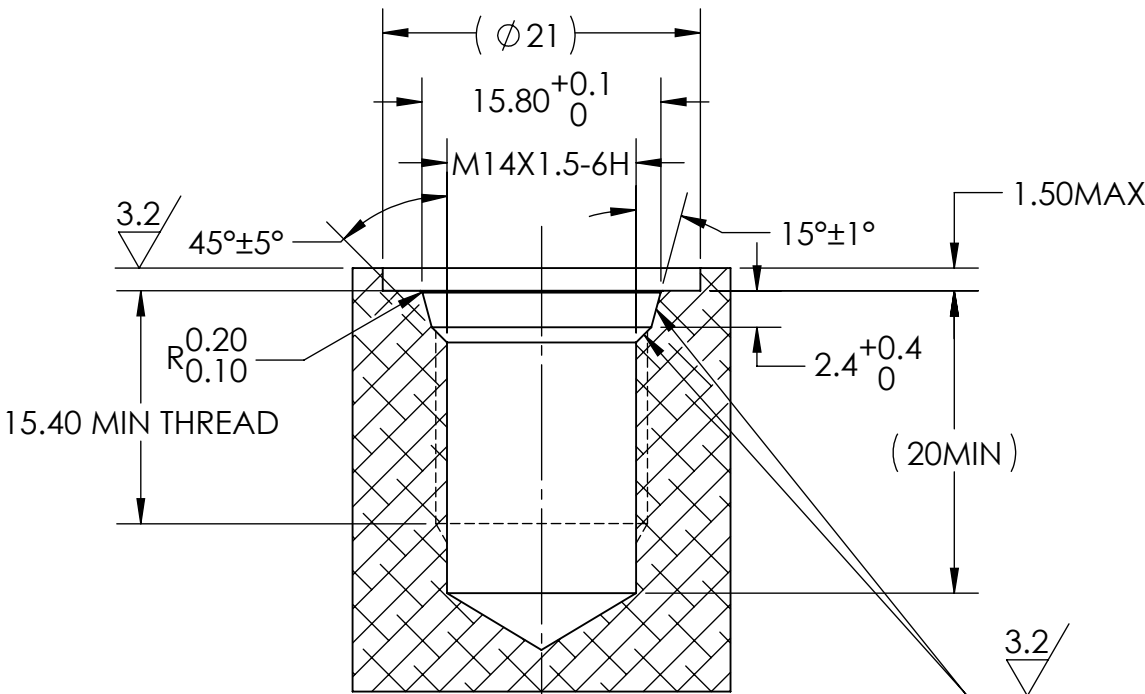


REFERENCE VIEW
SCALE 3:2

DATE&LOCATION CODE:
EXAMPLE : 03-FEB-2015
TEM00225-10 03 D 15 CZ 3

PRODUCT LINE
CHANGZHOU CHINA
LAST TWO DIGITS OF YEAR
MONTH CODE
DAYS OF MONTH
SENSATA PART NUMBER

MONTH	01	02	03	04	05	06	07	08	09	10	11	12
CODE	B	D	F	H	K	M	P	R	T	V	X	Z



SUGGESTED MATING GEOMETRY
(PER ISO6149-1)

RESISTANCE-TEMPERATURE CHARACTERISTIC

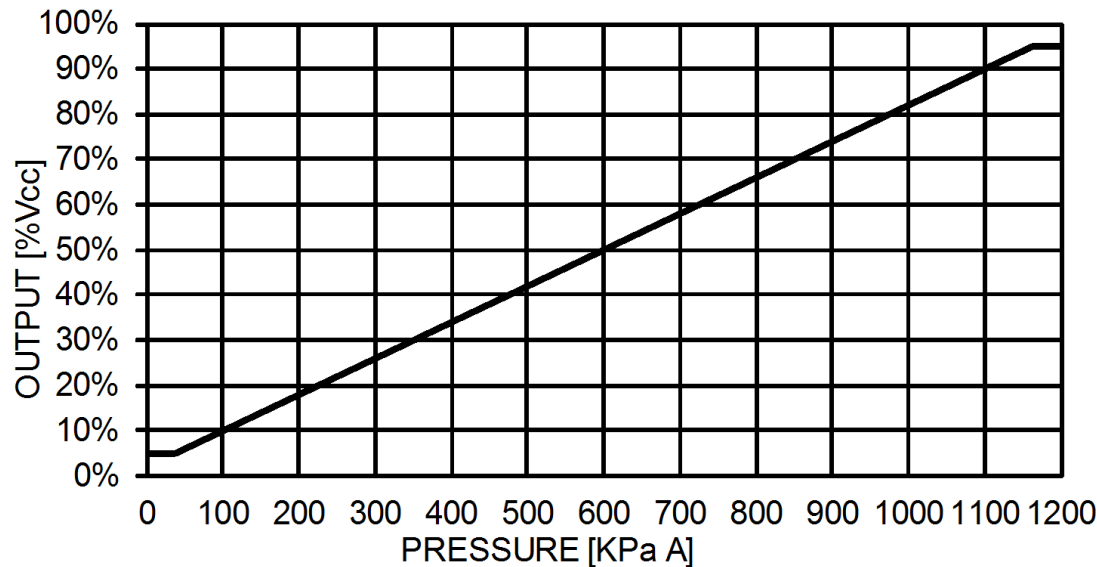
Temperature (°C)	Resistance (ohms)		
	Min	Nominal	Max
-45	451,080	475,822	500,565
-40	321,450	339,083	356,715
-30	168,886	178,150	187,414
-20	92,527	97,602	102,677
-10	52,667	55,556	58,445
0	31,047	32,750	34,453
10	18,943	19,940	20,937
20	11,875	12,500	13,125
25	9,500	10,000	10,500
30	7,650	8,053	8,456
40	5,055	5,321	5,587
50	3,419	3,599	3,779
60	2,364	2,488	2,612
70	1,667	1,755	1,843
80	1,198	1,261	1,324
90	877	923	969
100	652	686	720
110	492	518	540
120	377	397	414
130	293	308	322
140	230	243	254
150	183	193	203
155	164	173	182
160	147	156	164

EXPERIMENTAL

SPECIFICATIONS

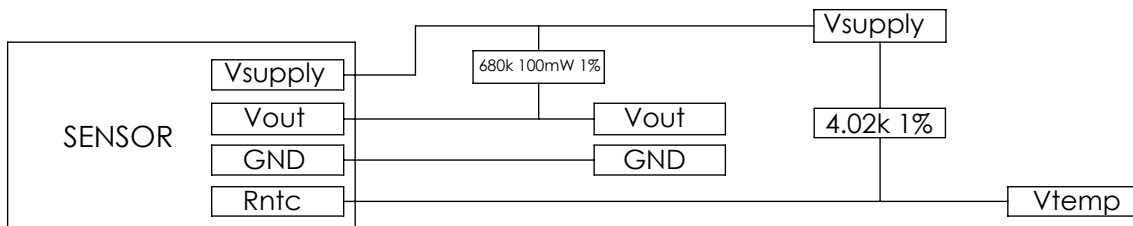
- | | |
|---|-------------------|
| 1. SUPPLY VOLTAGE | 4.75~5.25 VDC |
| 2. SUPPLY CURRENT | 10 mA MAX |
| 3. OPERATING PRESSURE RANGE | 100 kPa~1100 KPaA |
| 4. OPERATING TEMPERATURE RANGE | -40°C~140°C |
| 5. EXTERNAL LOAD | 680K |
| 6. PROOF PRESSURE | 1800 KPaA |
| 7. BURST PRESSURE | 2700 KPaA |
| 8. OUTPUT RANGE OF PRESSURE | 10~90 %Vcc |
| 9. TOTAL ERROR BAND OF PRESSURE | ±3 %Vcc |
| 10. RESPONSE TIME OF PRESSURE | 10ms MAX |
| 11. RESPONSE TIME OF TEMPERATURE(0~100°C, τ_{63}) | 14s MAX |


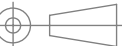
OUTPUT CHARACTERISTICS



$V_{out}/V_{cc} \times 100 = 0.08 \times P + 2$
 V_{out} : OUTPUT VOLTAGE
 V_{cc} : SUPPLY VOLTAGE
 P : INPUT PRESSURE IN KPaA

ELECTRICAL CONNECTION



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DRAWN DATE	JILL WEI 26-MAY-2015	INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. TOLERANCES LINEAR ANGULAR		TITLE PRESSURE+TEMPERATURE SENSOR (ABSOLUTE PRESSURE)		
ENGINEER DATE	JONSON SUN 26-MAY-2015			SIZE A2	NUMBER TEM00225-10-ENV	REV 1
APPROVED DATE	LION LI 26-MAY-2015					
APPROVED DATE	.	DO NOT SCALE DRAWING	METHOD THIRD ANGLE PROJECTION 	SCALE 2:1 SHEET 1 OF 1		