



WF162A-11Bar

1、INTRODUCTION

WF162A-11Bar is a analog voltage output pessure sensor,The device consists of a MEMS pressure sensor die mounted on a 2.0x 2.5 mm PCB protected by a metal cap. The WF162A can be delivered in a highly-linear version giving a linear output voltage directly proportional to the applied pressure.

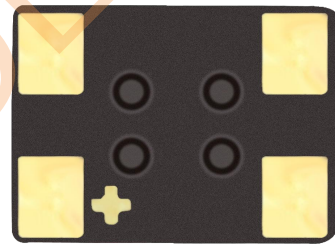
Features:

- Range: 0~1100Kpa
- Linearity: $\pm 0.3\%$ FS
- Working Temperature: $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Size: 2.0x2.5mm

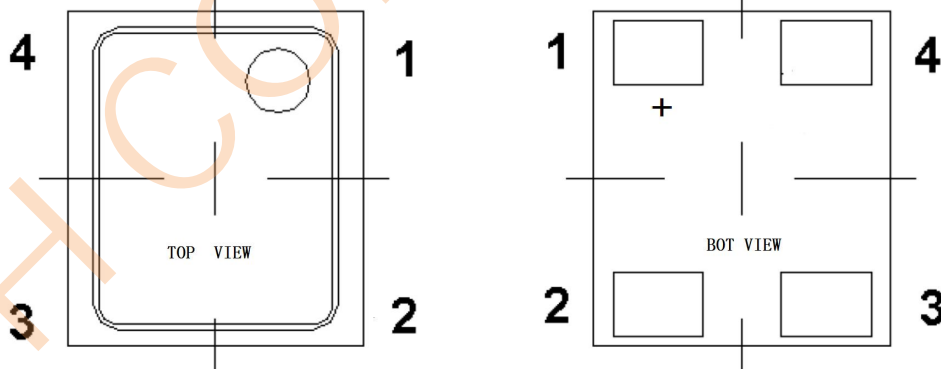


APPLICATIONS:

- Air pump
- TPMS
- Industrial controls
- Absolute pressure sensor systems



2、PIN DEFINITION



PIN	SYMBOL	FUNCTION
1	GND	Ground
2	Vout+	Positive output of Wheatstone bridge
3	VDD	Supply voltage of Wheatstone bridge
4	Vout-	Negative output of Wheatstone bridge



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3、SPECIFICATION

Unless otherwise specified, measurements were taken on DC3V3& 25°C

Parameter	Min.	Typ.	Max.	Unit.	Remark
Working Voltage		3.3	5	V	
Working Current		1	2	mA	
Pressure Range	0~1100			kPa	1
Pressure Type	Absolute			/	
Zero Output Offset	-10	0	10	mV	
FS Output Span	110	130	150	mV	
Bridge resistance	8	9	10	kΩ	2
TC0	-30	20	+70	μV/°C	3
TCS	-0.25	-0.20	-0.15	%FS/°C	3
Linearity	-0.3	±0.1	+0.3	%FS	4
Pressure Hysteresis	-0.2		+0.2	%FS	
Over Pressure	2X			FS	
Burst Pressure	4X			FS	
Working Temp	-40		+125	°C	
Storage Temp	-50		+150	°C	

Remark :

- 1、 Pressure Range customi zable
- 2、 Bridge resistance customi zable
- 3、 0-80°C
- 4、 Defined as best fit straight line



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4、DIMENSION (Unit: mm)

