

Pressure sensor APS21

Features

- > On-chip amplification and temperature compensations
- > Pre-calibration of offset voltage and span

Applications

- > Industrial instrumentation .
- > Barometer, Altimeter
- > Altitude compensation

Specifications

Model/Rated pressure		Unit
Recommended operating conditions		
Pressure type	Absolute pressure	
Rated pressure	115	kPa abs
Measurable pressure range	15 - 115	kPa abs
Pressure media	Non-corrosive gas only	
Excitation voltage	5, 0	VDC
Absolute maximum rating		
Maximum load pressure	Twice of rated pressure	
Maximum excitation voltage	8	VDC
Operating temperature	40 - 125	
Storage temperature	40 - 125	
Operating humidity	30 - - 80 (No dew condensation)	RH
Electric performances/characteristics (Excitation voltage Vcc=5.0V constant, Ambient temperature T a = 25)		
Current consumption	less than 10	mA
Output impedance	less than 10	
Source current	less than 0.2	mA
Sink current	less than 2	mA
Mechanical response time	2(For the reference)	msec
Full scale span voltage	4.5	V
Offset voltage	0.20.1125	V
Full scale span voltage	4.70.1125	V
Accuracy	After calibration Typ 1 hPa	1.5 (without post -calibration) FS/085