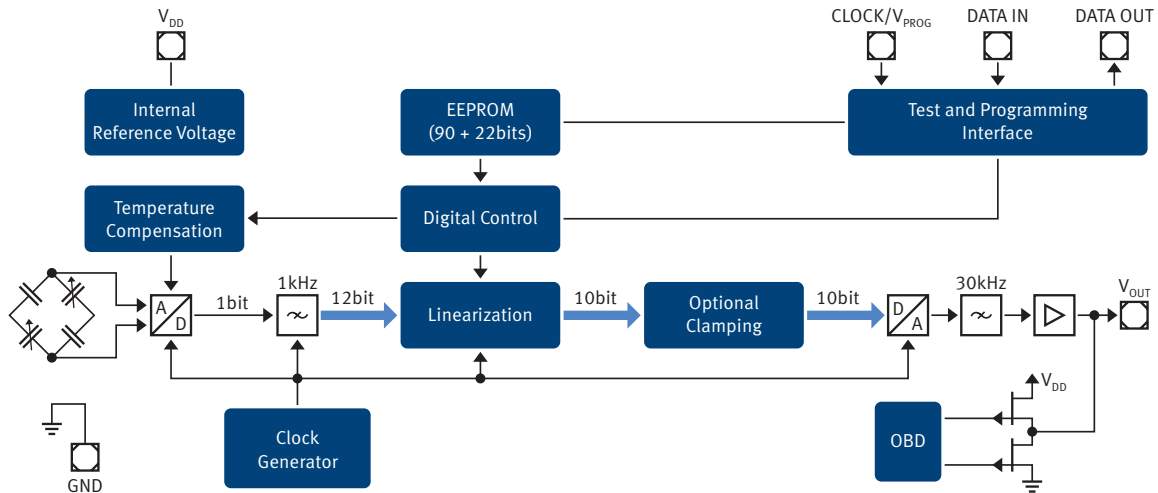


KP21x/MAP

Integrated Pressure Sensor IC for Manifold Air Pressure Measurement Applications

Highly Integrated Sensors - Single Chip



Infineon offers an extensive broad product portfolio for diesel engine management systems from micro-machined sensors to smart power ICs and microcontrollers. The KP21x pressure sensor as an integrated pressure sensor for manifold pressure measurement is a benchmark in terms of reliability, performance and integration level.

Product Summary

Parameter	Range			Unit
	min.	typ.	max.	
Accuracy			1.0	% F.S.
Pressure range	10		150	kPa
Sensitivity	40		88	mV/kPa
Supply voltage	4.5	5.0	5.5	V
Output current			1.0	mA
Output voltage	0.1		4.85	V
Operating temperature	-40		+140	°C
Programmable Transfer Functions				
Transfer function pressure min.	15		60	kPa
Transfer function pressure max.	100		150	kPa
Transfer function voltage min.	0.1		0.5	V
Transfer function voltage max.	4.5		4.85	V
Lower programmable clamping level (KP226)	0.0		0.63	V
Upper programmable clamping level (KP226)	4.37		5.0	V

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