

# SA59401FBP

## Bidirectional, Zero-Drift, High-accuracy Analog-to-Digital Converter with Internal Reference and Temperature Sensor

Part Number	SA59401FBP
Supply Voltage (V)	2.7-5.5
Resolution (bit)	16
Sample Rate(sps)	8-890
Iq (uA)	350
Gain Error (Typ)	$\pm 0.01\%$
Gain Error (max)	$\pm 0.15\%$
Offset(Typ) (LSB)	$\pm 0.1$
Offset(Max) (LSB)	$\pm 2$
Internal Temperature Sensor(Max) ( $^{\circ}\text{C}$ )	$\pm 3$
Programmable Gain Amplifier (V)	$\pm 4.096, \pm 2.048, \pm 1.024, \pm 0.512, \pm 0.256, \pm 0.128$
Interface	SPI
Features / Special Function	16-bit ADC, PGA, oscillator, temperature sensor
Package	MSOP10

