

Features

- High Accuracy · Large Current
 - 0~65A Current Sensor
 - Low Primary Impedance: 0.9mΩ
 - V_{OE} Temperature Drift: $\pm 5\text{mV}$
 - Sensitivity Temperature Drift: $\pm 1\%$
 - Linearity Error: $\pm 0.2\%$
- High Bandwidth · Fast Response
 - Bandwidth: 250kHz
 - Typical response time: 1.6μs
- High Anti-interference · Strengthen Insolution
 - Differential Hall effectively resists external magnetic field interference
 - High Isolated Voltage: 3.5kV
 - Compatible with 3.3V/5V power supply
 - Ratiometric/fixed output

Description

PIC1300 series is an open loop hall current sensor that set high accuracy · high Bandwidth · fast response · high linearity · low temperature drift and others advantage in one. PIC1300 provides 0~65A current measurement range.

Meanwhile, it will keep a low sensitivity drift ($\pm 1\%$ @-40℃~125℃) at full temperature range with 3σ data.

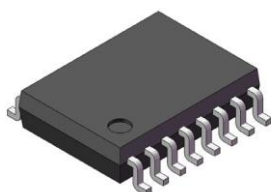
PIC1300 provides a new solution in high performance current sensor area.

PIC1300 adopts differential hall structure inside, which can effectively suppress the external stray magnetic field, strong anti-interference ability, and ensure accurate measurement under complex magnetic noise environment.

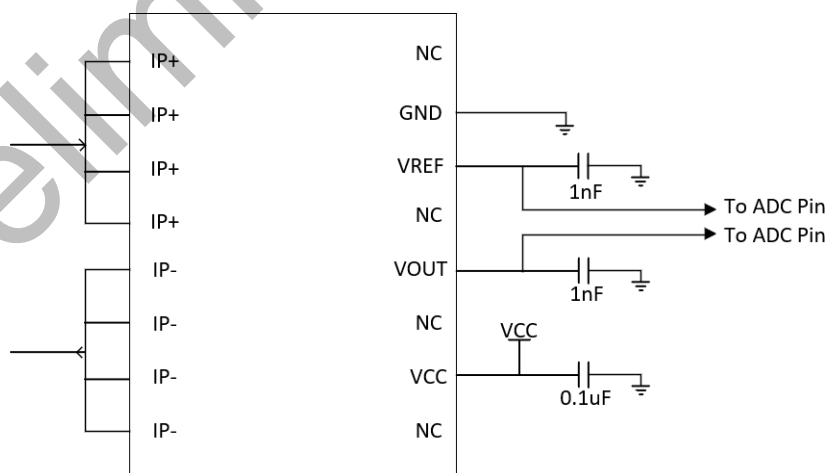
Applications

- Solar power
- Industrial power supply
- Motor control
- Charging pile

SOIC-16 Package



Application Circuits



Typical Application Circuit Diagram

Selection Guide

Part Number	Output	I _{PR} (A)	Sensitivity(mV/A)		Temp. Range T _A (°C)	Packing
			VCC=3.3V	VCC=5V		
PIC1300-*A12FB-T	Fixed Output Mode	±12	110	166.7	-40°C to 125°C	Reel package, 3000pcs/reel
PIC1300-*A20FB-T		±20	66	100		
PIC1300-*A30FB-T		±30	44	66.7		
PIC1300-*A30FU-T		30	88	133.3		
PIC1300-*A40FB-T		±40	33	50		
PIC1300-*A50FB-T		±50	26.4	40		
PIC1300-*A65FB-T		±65	20.3	30.8		
PIC1300-*A12RB-T	Ratiometric Output Mode	±12	110	166.7		
PIC1300-*A20RB-T		±20	66	100		
PIC1300-*A30RB-T		±30	44	66.7		
PIC1300-*A30RU-T		30	88	133.3		
PIC1300-*A40RB-T		±40	33	50		
PIC1300-*A50RB-T		±50	26.4	40		
PIC1300-*A65RB-T		±65	20.3	30.8		

The continuous test at 25° C supports 20A. If the current test range is increased, take heat dissipation measures. 20A and above have unidirectional output mode, new range will not be notified.

Part Number Specification

PIC1300 - 5 A 50 R B - T

Whether it contains lead
• T : Lead-free process

Output polarity
• B : Bipolar
• U : Unipolar

Output mode
• F : Fixed
• R : Ratiometric

Current sensing range

Pin sequence	V _{CC}	V _{OUT}	V _{REF}	FILTER	GND
A	Pin10	Pin12	Pin14	---	Pin15
B	Pin14	Pin12	---	Pin11	Pin9
C	Pin10	Pin12	Pin13	---	Pin15

Supply voltage
• 3 : 3.3V
• 5 : 5V

Part Number

Absolute Maximum Rating

Characteristic	Symbol	Unit	Test Conditions	Min.	Typ.	Max.
Supply Voltage	V _{CC}	V	T _A =25°C	-0.3	---	6.5
Output Current	I _{OUTmax}	mA	T _A =25°C	-45	---	45
Proportional output	V _{OUTmax}	V	T _A =25°C	0.1	---	V _{CC} - 0.1
Storage temperature	T _S	°C	---	-55	---	150
Operating Ambient Temperature	T _A	°C	---	-40	---	125
Maximum Junction Temperature	T _{Jmax}	°C	---	---	---	165

Note : Used over Absolute Maximum Rating will destroy the device. Working at Absolute Maximum Rating maybe reduce the device life.

ESD Characteristics

Characteristic	Symbol	Unit	Test Conditions	Min.
Human Body Model	V _{HBM}	kV	ESD between any two pins	±6
Charged Device Model	V _{CDM}	kV		±1

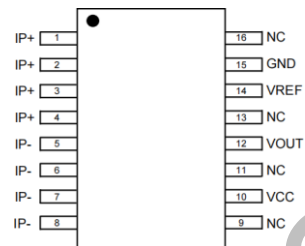
Isolation Characteristics

Characteristic	Symbol	Unit	Test Conditions	Min.
Dielectric Surge Strength Test Voltage	V _{SURGE}	V	Tested ±5 pulses at 2/minute in compliance to IEC 61000-4-5 1.2 μs (rise) / 50 μs (width).	4000
Dielectric Strength Test Voltage	V _{ISO}	V _{RMS}	Agency type-tested for 60 seconds per UL 60950-1. Production tested at 3500 VRMS for 1 second, in accordance with UL 60950-1 .	3500
Working Voltage for Basic Isolation	V _{WVBI}	V _{PK} OR V _{CC}	Maximum approved working voltage for basic (single) isolation according to UL 60950-1 .	700
		V _{RMS}		495
Clearance	D _{CL}	mm	Minimum distance through air from IP leads to signal leads.	8.2
Creepage	D _{CR}	mm	Minimum distance along package body from IP leads to signal leads	8.2
Distance Through Insulation	DTI	mm	Minimum internal distance through insulation	90
comparative tracking index	CTI	V	Material Group I	>600

Terminal list & Functional Block

Mode A :

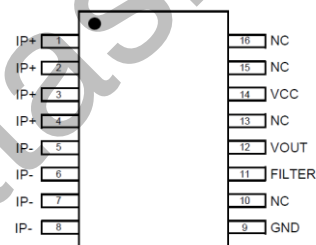
Number	Name	Description
1,2,3,4	IP+	Primary current in
5,6,7,8	IP-	Primary current out
9,11,13,16	NC	No internal connection
10	VCC	Device power supply terminal
12	VOUT	Analog output signal
14	VREF	Reference voltage
15	GND	Signal ground terminal



Mode A Pin Diagram

Mode B :

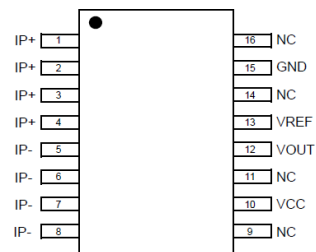
Number	Name	Description
1,2,3,4	IP+	Primary current in
5,6,7,8	IP-	Primary current out
10,13,15,16	NC	No internal connection
9	GND	Signal ground terminal
11	FILTER	Bandwidth setting
12	VOUT	Analog output signal
14	VCC	Device power supply terminal



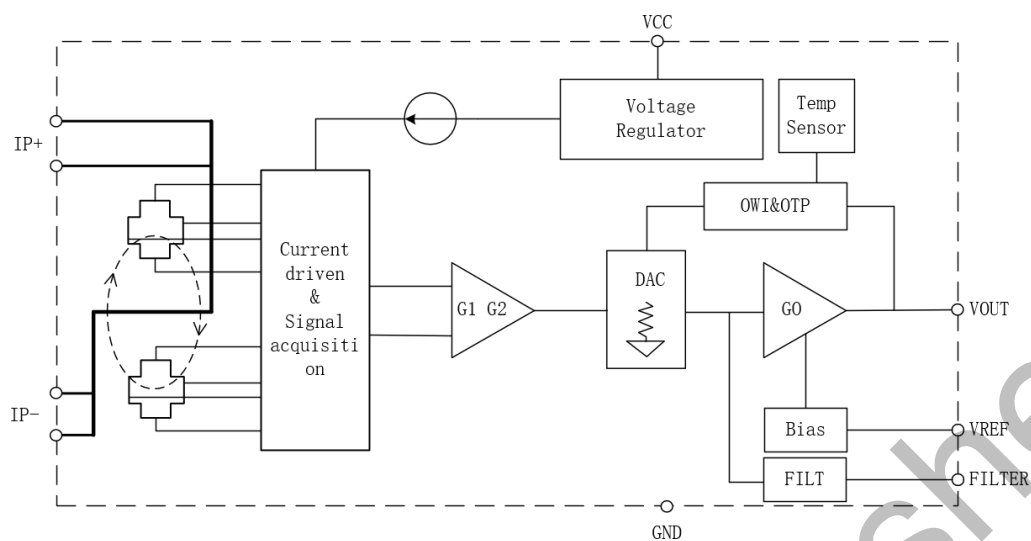
Mode B Pin Diagram

Mode C :

Number	Name	Description
1,2,3,4	IP+	Primary current in
5,6,7,8	IP-	Primary current out
9,11,14,16	NC	No internal connection
10	VCC	Device power supply terminal
12	VOUT	Analog output signal
13	VREF	Reference voltage
15	GND	Signal ground terminal



Mode C Pin Diagram



Functional Block Diagram

Common Electrical Characteristics

Unless otherwise specified, refers to general test conditions: $T_A=25^{\circ}\text{C}$ · $V_{CC}=5\text{V}$ · $C_L=0.47\text{nF}$ · $C_{VCC}=100\text{nF}$

Characteristic	Symbol	Unit	Test Conditions	Min.	Typ.	Max.
Supply Voltage	V_{CC}	V	$V_{CC}=3.3\text{V}$	3	3.3	3.6
			$V_{CC}=5\text{V}$	4.5	5	5.5
Supply Current	I_{CC}	mA	no-load, $V_{CC}=3.3\text{V}$	---	7.5	10
			no-load, $V_{CC}=5\text{V}$	---	10	15
Primary Conductor Resistance	R_P	m Ω	---	---	0.9	---
Power-On Time	T_{PO}	ms	Chip power-on ($V_{CC}>4.5\text{V}$), V_{OUT} and V_{REF} stable time	---	1	---
Output Capacitance Load	C_L	nF	---	---	---	10
Output Resistive Load	R_L	k Ω	---	4.7	---	---
Reference load resistance	R_{LREF}	k Ω	---	10	---	---
Output voltage range	V_S	V	$T_A=25^{\circ}\text{C}$ · $C_L=1\text{nF}$ · $R_L=10\text{k}\Omega$ to V_{CC} or V_{GND}	0.1	---	$V_{CC}-0.1$
Common Mode Field Rejection Ratio	CMFR	dB	---	---	40	---
Rise Time	T_R	μs	---	---	1.2	---
Response Time	$T_{RESPONSE}$	μs	---	---	1.6	---
Bandwidth	B_W	kHz	---	---	250	---
Noise	V_N	mVrms	---	---	8	---
Nonlinearity	E_{LIN}	%	---	---	± 0.1	---
Reference voltage	V_{REF}	V	Fixed output mode · Bidirectional output · $V_{CC}=5\text{V}$	2.49	2.5	2.51
			Fixed output mode · Bidirectional output · $V_{CC}=3.3\text{V}$	1.64	1.65	1.66
			Fixed output mode · Unidirectional output · $V_{CC}=5\text{V}$	0.49	0.5	0.51
			Ratiometric output model	---	$V_{CC} \times 0.5$	---
Ratiometric output sensitivity error	S_{ERR}	%	$V_{CC}=3.0\sim 3.6\text{V}$ or $V_{CC}=4.5\sim 5.5\text{V}$	---	0.7	---
Sensitivity Error	E_{SENS}	%	$I_P=I_{PRmax}$ · $T_A=-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	-2	± 0.6	2
Voltage Offset Error	V_{OE}	mV	$I_P=0\text{A}$ · $T_A=-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	-10	± 5	10

Note : The data is obtained from laboratory testing with 3 σ data

PIC1300-*A12FB-T/RB-T Performance Characteristic ($I_{PR} = \pm 12A$)

Unless otherwise specified, refers to general test conditions: $T_A=25^\circ C$ · $V_{CC}=5V$ · $C_L=0.47nF$ · $C_{VCC}=100nF$

Characteristic	Symbol	Unit	Test Conditions	Min.	Typ.	Max.
Nominal Performance						
Current Sensing Range	I _{PR}	A	---	-12	---	12
Sensitivity(V _{CC} =3.3V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	110	---
Sensitivity(V _{CC} =5V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	166.7	---
Zero Current Output Voltage	V _{IOUT(Q)}	V	Bidirectional · I _{PR} =0A · V _{CC} =3.3V · fixed output F	1.64	1.65	1.66
			Bidirectional · I _{PR} =0A · V _{CC} =5V · fixed output F	2.49	2.5	2.51
			Bidirectional · I _{PR} =0A · Ratiometric output R	---	V _{CC} x 0.5	---
Accuracy Performance						
Total Output Error	E _{TOT}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-2.5	±0.8	2.5
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2.5	±0.8	2.5
Total Output Error Components: E _{TOT} = (V _{IOUT} -V _{IOUTIdeal}) / (Sens _{Ideal} × I _P) × 100%						
Sensitivity Error	E _{SENS}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-2	±0.6	2
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2	±0.6	2
Voltage Offset Error	V _{OE}	mV	I _P =0A · T _A =25°C ~ 125°C	---	±8	---
			I _P =0A · T _A =-40°C ~ 25°C	---	±8	---
Lifetime Drift Characteristics						
Sensitivity Error Lifetime Drift	E _{SENS_drift}	%	After reliability test · T _A =25°C test	---	±1	---
Total Output Error Lifetime Drift	E _{TOT_drift}	%	After reliability test · T _A =25°C test	---	±1	---

PIC1300-*A20FB-T/RB-T Performance Characteristic ($I_{PR} = \pm 20A$)

Unless otherwise specified, refers to general test conditions: $T_A=25^\circ C$ · $V_{CC}=5V$ · $C_L=0.47nF$ · $C_{VCC}=100nF$

Characteristic	Symbol	Unit	Test Conditions	Min.	Typ.	Max.
Nominal Performance						
Current Sensing Range	I _{PR}	A	---	-20	---	20
Sensitivity(V _{CC} =3.3V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	66	---
Sensitivity(V _{CC} =5V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	100	---
Zero Current Output Voltage	V _{IOUT(Q)}	V	Bidirectional · I _{PR} =0A · V _{CC} =3.3V · fixed output F	1.64	1.65	1.66
			Bidirectional · I _{PR} =0A · V _{CC} =5V · fixed output F	2.49	2.5	2.51
			Bidirectional · I _{PR} =0A · Ratiometric output R	---	V _{CC} x 0.5	---
Accuracy Performance						
Total Output Error	E _{TOT}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-2.5	±1	2.5
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2.5	±1	2.5
Total Output Error Components: E _{TOT} = (V _{IOUT} -V _{IOUTIdeal}) / (Sens _{Ideal} × I _P) × 100%						
Sensitivity Error	E _{SENS}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-2	±0.6	2
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2	±0.6	2
Voltage Offset Error	V _{OE}	mV	I _P =0A · T _A =25°C ~ 125°C	---	±5	---
			I _P =0A · T _A =-40°C ~ 25°C	---	±5	---
Lifetime Drift Characteristics						
Sensitivity Error Lifetime Drift	E _{SENS_drift}	%	After reliability test · T _A =25°C test	---	±1	---
Total Output Error Lifetime Drift	E _{TOT_drift}	%	After reliability test · T _A =25°C test	---	±1	---

PIC1300-*A30FB-T/RB-T Performance Characteristic ($I_{PR} = \pm 30A$)

Unless otherwise specified, refers to general test conditions: $T_A=25^\circ C$ · $V_{CC}=5V$ · $C_L=0.47nF$ · $C_{VCC}=100nF$

Characteristic	Symbol	Unit	Test Conditions	Min.	Typ.	Max.
Nominal Performance						
Current Sensing Range	I _{PR}	A	---	-30	---	30
Sensitivity(V _{CC} =3.3V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	44	---
Sensitivity(V _{CC} =5V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	66.7	---
Zero Current Output Voltage	V _{IOUT(Q)}	V	Bidirectional · I _{PR} =0A · V _{CC} =3.3V · fixed output F	1.64	1.65	1.66
			Bidirectional · I _{PR} =0A · V _{CC} =5V · fixed output F	2.49	2.5	2.51
			Bidirectional · I _{PR} =0A · Ratiometric output R	---	V _{CC} x 0.5	---
Accuracy Performance						
Total Output Error	E _{TOT}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-2.5	±0.8	2.5
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2.5	±1	2.5
Total Output Error Components: E _{TOT} = (V _{IOUT} -V _{IOUTIdeal}) / (Sens _{Ideal} × I _P) × 100%						
Sensitivity Error	E _{SENS}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-2	±0.6	2
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2	±0.6	2
Voltage Offset Error	V _{OE}	mV	I _P =0A · T _A =25°C ~ 125°C	---	±5	---
			I _P =0A · T _A =-40°C ~ 25°C	---	±5	---
Lifetime Drift Characteristics						
Sensitivity Error Lifetime Drift	E _{SENS_drift}	%	After reliability test · T _A =25°C test	---	±1	---
Total Output Error Lifetime Drift	E _{TOT_drift}	%	After reliability test · T _A =25°C test	---	±1	---

PIC1300-*A20FU-T/RU-T Performance Characteristic ($I_{PR} = 30A$)

Unless otherwise specified, refers to general test conditions: $T_A=25^{\circ}C$ · $V_{CC}=5V$ · $C_L=0.47nF$ · $C_{VCC}=100nF$

Characteristic	Symbol	Unit	Test Conditions	Min.	Typ.	Max.
Nominal Performance						
Current Sensing Range	I _{PR}	A	---	0	---	30
Sensitivity(V _{CC} =3.3V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	88	---
Sensitivity(V _{CC} =5V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	133.3	---
Zero Current Output Voltage	V _{IOUT(Q)}	V	Bidirectional · I _{PR} =0A · V _{CC} =3.3V · fixed output F	0.32	0.33	0.34
			Bidirectional · I _{PR} =0A · V _{CC} =5V · fixed output F	0.49	0.5	0.51
			Bidirectional · I _{PR} =0A · Ratiometric output R	---	V _{CC} x 0.1	---
Accuracy Performance						
Total Output Error	E _{TOT}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-2.5	±0.7	2.5
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2.5	±1	2.5
Total Output Error Components: E _{TOT} = (V _{IOUT} -V _{IOUTIdeal}) / (Sens _{Ideal} × I _P) × 100%						
Sensitivity Error	E _{SENS}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-2	±0.6	2
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2	±0.6	2
Voltage Offset Error	V _{OE}	mV	I _P =0A · T _A =25°C ~ 125°C	---	±5	---
			I _P =0A · T _A =-40°C ~ 25°C	---	±5	---
Lifetime Drift Characteristics						
Sensitivity Error Lifetime Drift	E _{SENS_drift}	%	After reliability test · T _A =25°C test	---	±1	---
Total Output Error Lifetime Drift	E _{TOT_drift}	%	After reliability test · T _A =25°C test	---	±1	---

PIC1300-*A40FB-T/RB-T Performance Characteristic ($I_{PR} = \pm 40A$)

Unless otherwise specified, refers to general test conditions: $T_A=25^\circ C$ · $V_{CC}=5V$ · $C_L=0.47nF$ · $C_{VCC}=100nF$

Characteristic	Symbol	Unit	Test Conditions	Min.	Typ.	Max.
Nominal Performance						
Current Sensing Range	I _{PR}	A	---	-40	---	40
Sensitivity(V _{CC} =3.3V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	33	---
Sensitivity(V _{CC} =5V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	50	---
Zero Current Output Voltage	V _{IOUT(Q)}	V	Bidirectional · I _{PR} =0A · V _{CC} =3.3V · fixed output F	1.64	1.65	1.66
			Bidirectional · I _{PR} =0A · V _{CC} =5V · fixed output F	2.49	2.5	2.51
			Bidirectional · I _{PR} =0A · Ratiometric output R	---	V _{CC} x 0.5	---
Accuracy Performance						
Total Output Error	E _{TOT}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-1.2	±1	1.2
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2.5	±1	2.5
Total Output Error Components: E _{TOT} = (V _{IOUT} -V _{IOUTIdeal}) / (Sens _{Ideal} × I _P) × 100%						
Sensitivity Error	E _{SENS}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-2	±0.6	2
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2	±0.6	2
Voltage Offset Error	V _{OE}	mV	I _P =0A · T _A =25°C ~ 125°C	---	±5	---
			I _P =0A · T _A =-40°C ~ 25°C	---	±5	---
Lifetime Drift Characteristics						
Sensitivity Error Lifetime Drift	E _{SENS_drift}	%	After reliability test · T _A =25°C test	---	±1	---
Total Output Error Lifetime Drift	E _{TOT_drift}	%	After reliability test · T _A =25°C test	---	±1	---

PIC1300-*A50FB-T/RB-T Performance Characteristic ($I_{PR} = \pm 50A$)

Unless otherwise specified, refers to general test conditions: $T_A=25^\circ C$ · $V_{CC}=5V$ · $C_L=0.47nF$ · $C_{VCC}=100nF$

Characteristic	Symbol	Unit	Test Conditions	Min.	Typ.	Max.
Nominal Performance						
Current Sensing Range	I _{PR}	A	---	-50	---	50
Sensitivity(V _{CC} =3.3V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	26.4	---
Sensitivity(V _{CC} =5V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	40	---
Zero Current Output Voltage	V _{IOUT(Q)}	V	Bidirectional · I _{PR} =0A · V _{CC} =3.3V · fixed output F	1.64	1.65	1.66
			Bidirectional · I _{PR} =0A · V _{CC} =5V · fixed output F	2.49	2.5	2.51
			Bidirectional · I _{PR} =0A · Ratiometric output R	---	V _{CC} x 0.5	---
Accuracy Performance						
Total Output Error	E _{TOT}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-1.2	±1	1.2
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2.5	±1	2.5
Total Output Error Components: E _{TOT} = (V _{IOUT} -V _{IOUTIdeal}) / (Sens _{Ideal} × I _P) × 100%						
Sensitivity Error	E _{SENS}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-2	±0.6	2
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2	±0.6	2
Voltage Offset Error	V _{OE}	mV	I _P =0A · T _A =25°C ~ 125°C	---	±5	---
			I _P =0A · T _A =-40°C ~ 25°C	---	±5	---
Lifetime Drift Characteristics						
Sensitivity Error Lifetime Drift	E _{SENS_drift}	%	After reliability test · T _A =25°C test	---	±1	---
Total Output Error Lifetime Drift	E _{TOT_drift}	%	After reliability test · T _A =25°C test	---	±1	---

PIC1300-*A65FB-T/RB-T Performance Characteristic ($I_{PR} = \pm 65A$)

Unless otherwise specified, refers to general test conditions: $T_A=25^\circ C$ · $V_{CC}=5V$ · $C_L=0.47nF$ · $C_{VCC}=100nF$

Characteristic	Symbol	Unit	Test Conditions	Min.	Typ.	Max.
Nominal Performance						
Current Sensing Range	I _{PR}	A	---	-65	---	65
Sensitivity(V _{CC} =3.3V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	20.3	---
Sensitivity(V _{CC} =5V)	Sens	mV/A	I _{PRmin} < I _{PR} < I _{PRmax}	---	30.8	---
Zero Current Output Voltage	V _{IOUT(Q)}	V	Bidirectional · I _{PR} =0A · V _{CC} =3.3V · fixed output F	1.64	1.65	1.66
			Bidirectional · I _{PR} =0A · V _{CC} =5V · fixed output F	2.49	2.5	2.51
			Bidirectional · I _{PR} =0A · Ratiometric output R	---	V _{CC} x 0.5	---
Accuracy Performance						
Total Output Error	E _{TOT}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-2.5	±1	2.5
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2.5	±1	2.5
Total Output Error Components: E _{TOT} = (V _{IOUT} -V _{IOUTIdeal}) / (Sens _{Ideal} × I _P) × 100%						
Sensitivity Error	E _{SENS}	%	I _P =I _{PRmax} · T _A =25°C ~ 125°C	-2	±1	2
			I _P =I _{PRmax} · T _A =-40°C ~ 25°C	-2	±1	2
Voltage Offset Error	V _{OE}	mV	I _P =0A · T _A =25°C ~ 125°C	---	±5	---
			I _P =0A · T _A =-40°C ~ 25°C	---	±5	---
Lifetime Drift Characteristics						
Sensitivity Error Lifetime Drift	E _{SENS_drift}	%	After reliability test · T _A =25°C test	---	±1	---
Total Output Error Lifetime Drift	E _{TOT_drift}	%	After reliability test · T _A =25°C test	---	±1	---

SOIC-16 PACKAGE INFORMATION

