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AC1342 Current Conversion Resistor

- Data Sheets
- Application Notes
- Evaluation Boards
- Price, Packaging, and Availability**

Product Description

The AC1342 is a 100Ω, 0.1%, 1/4 watt, 20 ppm/°C resistor that is supplied with each 3B32 current input module to convert input current to a voltage. These can be ordered as spares.

Resistor



[Symbols and Footprints](#)

Price, Packaging, and Availability Print Table

AC1342 Model Options

Model	Status	Package	Pins	Temp. Range	Available	RoHS Compliant	Samples Cart	Purchase Cart
AC1342	Prodn	NON-PHYSICAL PROD:NRE,ETC.	-	Comm	-	Y Material Declaration	Contact ADI	Add to Cart

3B03: 3B Series 4 Channel Backplane

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Model	Status	Package	Pins	Temp Range	Available	RoHS Compliant	Samples Cart	Purchase Cart
3B03	Prodn	NON-PHYSICAL PROD:NRE,ETC.	-	Comm	-	-	N Material Declaration	Contact ADI Add to Cart

3B02: 3B Series 8 Channel Backplane

Model	Status	Package	Pins	Temp Range	Available	RoHS Compliant	Samples Cart	Purchase Cart
3B02	Prodn	NON-PHYSICAL PROD:NRE,ETC.	-	Comm	-	-	N Material Declaration	Contact ADI Add to Cart
3B02-CUSTOM	Prodn	NON-PHYSICAL PROD:NRE,ETC.	-	Comm	-	-	N Material Declaration	Contact ADI Contact ADI

3B01: 3B Series 16 Channel Backplane

Model	Status	Package	Pins	Temp Range	Available	RoHS Compliant	Samples Cart	Purchase Cart
3B01	Prodn	NON-PHYSICAL PROD:NRE,ETC.	-	Comm	-	-	N Material Declaration	Contact ADI Add to Cart
3B01-CUSTOM	Prodn	NON-PHYSICAL PROD:NRE,ETC.	-	Comm	-	-	N Material Declaration	Contact ADI Contact ADI

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Part#	Supply Voltage (v)	Input Type	Isolated	Bandwidth (Hz)	Output Range	Output Type	Input Range
5B36	+5	Potentiometer	Y	4	0-5V	V	0-10kohm
5B37	+5	TC	Y	4	+/- 5V; 0-5V	V	Refer to Data Sheet
1B22	±15	Vin	Y	400	4-20mA, 0-20mA	V	0-1V to 0-10V
5B38	+5	Gage	Y	10000	+/- 5V	V	+/-10mv to +/-200mV
1B32	±15	Gage	N	4	+/- 10V	V	Refer to Data Sheet

5B39	+5	V	Y	400	4-20mA, 0-20mA	I	+/- 5V; 0-5V
1B51	±15	TC	Y	3	+/- 10V	V	Refer to Data Sheet
5B40	+5	mV	Y	10000	+/- 5V; 0-5V	V	+/-10mv to +/- 100mV
3B17	±15	LVDT, RVDT	N	100	+/- 10V; 4-20mA, 0-20mA	I; V	20mV rms to 5V rms
5B41	+5	V	Y	10000	+/- 5V; 0-5V	V	+/- 1V to +/- 20V
3B20	±15	AC Gage	N	100	+/- 10V; 4-20mA, 0-20mA	I; V	1.5mV rms to 150mV rms
5B42	+5	I	Y	100	1-5V; 2-10V	V	0-20mA; 4-20mA
3B31	±15	V	Y	3	+/- 10V; 4-20mA, 0-20mA	I; V	+/- .5V to +/- 20V
5B45	+5	Frequency	Y	n/a	+/- 5V; 0-5V	V	500 Hz to 20 kHz
3B34	±15	RTD	Y	3	0-10V; 4-20mA, 0-20mA	I; V	Refer to Data Sheet
5B46	+5	Frequency	Y	n/a	+/- 5V; 0-5V	V	20 kHz to 275 kHz
3B39	±15	V	Y	400	4-20mA, 0-20mA	I	+/- 10V; 0-10V
5B47	+5	TC	Y	4	0-5V	V	Refer to Data Sheet
3B41	±15	V	Y	10000	+/- 10V; 4-20mA, 0-20mA	I; V	+/- .5V to +/- 20V
6B11	+5	I; mV; TC; V	Y	4	RS-485 or RS-232	Serial RS-485	Refer to Data Sheet
3B43	±15	AC V	Y	3	0-10V; 4-20mA, 0-20mA	I; V	1V rms to 50V rms
6B12	+5	mV; V	Y	4	RS-485 or RS-232	Serial RS-485	Refer to Data Sheet
3B45	±15	Frequency	Y	n/a	0-10V; 4-20mA, 0-20mA	I; V	25 Hz to 1100 Hz
6B13	+5	RTD	Y	4	RS-485 or RS-232	Serial RS-485	Refer to Data Sheet
3B47	±15	TC	Y	3	0 to +10V; 4-20mA, 0-20mA	V	Refer to Data Sheet
6B21	+5	n/a	Y	3	RS-485 or RS-232	Serial RS-485	Software Settable
5B31	+5	V	Y	4	+/- 5V; 0-5V	V	+/- 1V to +/- 20V
6B50	+5	Digital	N	1000	RS-485 or RS-232	Serial RS-485	TTL or CMOS
5B34	+5	RTD	Y	4	0-5V	V	Refer to Data Sheet
7B14	+24	RTD	N	3	0-10V; 1-5V	V	Refer to Data Sheet
1B21	±15	Vin	Y	100	4-20mA, 0-20mA	I	0-1V to 0-10V

7B21	±25	V	Y	300	+/- 10V	V	+/- 10V
1B41	±15	RTD	Y	3	+/- 10V	V	Refer to Data Sheet
7B22	±25	V	Y	400	+/- 10V	V	+/- 10V
3B18	±15	Gage	N	10000	+/- 10V; 4-20mA, 0-20mA	I; V	+/- 5mV to +/- 500mV
7B27	+24	TC	Y	3	0-10V; 1-5V	V	Refer to Data Sheet
3B32	±15	I	Y	3	+/- 10V; 4-20mA, 0-20mA	I; V	0-20mA; 4-20mA
7B30	+24	mV	Y	3	0-10V; 1-5V	V	+/- 10mV to +/- 1V
3B40	±15	mV	Y	10000	+/- 10V; 4-20mA, 0-20mA	I; V	+/- 5mV to +/- 500mV
7B31	+24	V	Y	3	0-10V; 1-5V	V	+/- 5V to +/- 50V
3B44	±15	AC V	Y	3	+/- 10V; 4-20mA, 0-20mA	I; V	50V rms to 550V rms
7B32	+24	I	Y	100	0-10V; 1-5V	V	0-20mA; 4-20mA
5B30	+5	mV	Y	4	+/- 5V; 0-5V	V	+/-10mv to +/- 100mV
7B33	+24	V or mA	Y	100	0-10V; 1-5V	V	0-5V; 1-5V
5B35	+5	RTD	Y	4	0-5V	V	Refer to Data Sheet
7B34	+24	RTD	Y	3	0-10V; 1-5V	V	Refer to Data Sheet
3B16	±15	Gage	N	3	4-20mA, 0-20mA	I; V	+/- 5mV to +/- 500mV
7B35	+24	I	Y	100	0-10V; 1-5V	V	4-20mA
3B37	±15	TC	Y	3	0-10V; 4-20mA, 0-20mA	I; V	Refer to Data Sheet
7B37	+24	TC	Y	3	0-10V; 1-5V	V	Refer to Data Sheet
3B46	±15	Frequency	Y	n/a	+/- 10V; 4-20mA, 0-20mA	I; V	520 Hz to 25 kHz
1B31	±15	Gage	Y	20000	+/- 10V	V	Refer to Data Sheet
3B30	±15	mV	Y	3	+/- 10V; 4-20mA, 0-20mA	I; V	+/- 5mV to +/- 500mV
3B42	-15	AC mV	Y	3	0-10V; 4-20mA, 0-20mA	I; V	20mV rms to 1V rms
5B32	+5	I	Y	4	+/- 5V; 0-5V	V	0-20mA; 4-20mA
7B39	+24	V	Y	100	4-20mA, 0-20mA	I	0-10V; 1-5V
7B40	+24	mV	Y	10000	0-10V; 1-5V	V	+/- 10mV to +/- 1V
7B41	+24	V	Y	10000	0-10V; 1-5V	V	+/- 5V to +/- 50V
7B47	+24	TC	Y	3	0-10V; 1-5V	V	Refer to Data Sheet

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