



ADR44x Data Sheet Limit Revision

ADR441 Data Sheet Specification Comparison

REV G

ADR440/ADR441/ADR443/ADR444/ADR445

Data Sheet

ADR441 ELECTRICAL CHARACTERISTICS

$V_{IN} = 3\text{ V to }18\text{ V}$, $T_A = 25^\circ\text{C}$, $C_{IN} = C_{OUT} = 0.1\ \mu\text{F}$, unless otherwise noted.

Table 3.

Parameter	Symbol	Test Conditions/Comments	Min	Typ	Max	Unit
OUTPUT VOLTAGE	V_{OUT}					
A Grade			2.497	2.500	2.503	V
B Grade			2.499	2.500	2.501	V
INITIAL ACCURACY	V_{OERR}					
A Grade					±3	mV
					0.12	%
B Grade					±1	mV
					0.04	%
TEMPERATURE DRIFT	TCV_{OUT}					
A Grade		$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		2	10	ppm/°C
B Grade		$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		1	3	ppm/°C
LINE REGULATION	$\Delta V_{OUT}/\Delta V_{IN}$	$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		10	20	ppm/V

REV H

ADR440/ADR441/ADR443/ADR444/ADR445

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ADR441 ELECTRICAL CHARACTERISTICS

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					0.12	%
B Grade					±1	mV
					0.04	%
TEMPERATURE DRIFT	TCV_{OUT}					
A Grade		$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		2	10	ppm/°C
B Grade		$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		1	3 → 5	ppm/°C
LINE REGULATION	$\Delta V_{OUT}/\Delta V_{IN}$	$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		10	20	ppm/V

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REV G

REV H

Data Sheet **ADR440/ADR441/ADR443/ADR444/ADR445**

Data Sheet **ADR440/ADR441/ADR443/ADR444/ADR445**

ADR443 ELECTRICAL CHARACTERISTICS

$V_{IN} = 3.5\text{ V to }18\text{ V}$, $T_A = 25^\circ\text{C}$, $C_{IN} = C_{OUT} = 0.1\ \mu\text{F}$, unless otherwise noted.

Table 4.

Parameter	Symbol	Test Conditions/Comments	Min	Typ	Max	Unit
OUTPUT VOLTAGE	V_{OUT}					
A Grade			2.996	3.000	3.004	V
B Grade			2.9988	3.000	3.0012	V
INITIAL ACCURACY	V_{OERR}					
A Grade					±4	mV
					0.13	%
B Grade					±1.2	mV
					0.04	%
TEMPERATURE DRIFT	TCV_{OUT}					
A Grade		$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		2	10	ppm/ $^\circ\text{C}$
B Grade		$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		1	3	ppm/ $^\circ\text{C}$
LINE REGULATION	$\Delta V_{OUT}/\Delta V_{IN}$	$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		10	20	ppm/V

ADR443 ELECTRICAL CHARACTERISTICS

$V_{IN} = 3.5\text{ V to }18\text{ V}$, $T_A = 25^\circ\text{C}$, $C_{IN} = C_{OUT} = 0.1\ \mu\text{F}$, unless otherwise noted.

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B Grade			2.9988	3.000	3.0012	V
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A Grade					±4	mV
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B Grade					±1.2	mV
					0.04	%
TEMPERATURE DRIFT	TCV_{OUT}					
A Grade		$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		2	10	ppm/ $^\circ\text{C}$
B Grade		$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		1	3	ppm/ $^\circ\text{C}$
LINE REGULATION	$\Delta V_{OUT}/\Delta V_{IN}$	$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		10	20	ppm/V

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REV G

REV H

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Data Sheet

ADR444 ELECTRICAL CHARACTERISTICS

$V_{IN} = 4.6\text{ V to }18\text{ V}$, $T_A = 25^\circ\text{C}$, $C_{IN} = C_{OUT} = 0.1\ \mu\text{F}$, unless otherwise noted.

Table 5.

Parameter	Symbol	Test Conditions/Comments	Min	Typ	Max	Unit
OUTPUT VOLTAGE	V_{OUT}					
A Grade			4.091	4.096	4.101	V
B Grade			4.0944	4.096	4.0976	V
INITIAL ACCURACY	V_{OERR}					
A Grade					±5	mV
					0.13	%
B Grade					±1.6	mV
					0.04	%
TEMPERATURE DRIFT	TCV_{OUT}					
A Grade		$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		2	10	ppm/°C
B Grade		$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		1	3	ppm/°C
LINE REGULATION	$\Delta V_{OUT}/\Delta V_{IN}$	$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		10	20	ppm/V

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A Grade					±5	mV
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TEMPERATURE DRIFT	TCV_{OUT}					
A Grade		$-40^\circ\text{C} < T_A < +125^\circ\text{C}$		2	10	ppm/°C
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