

unheated voltage references

part #	mfr (name)	Vout (V)	Vin min (V)	Vin max (V)	I quiescent ** (mA)	Iout (mA)	Tc max (ppm/C)	Tc typ (ppm/C)	0.1-10Hz pp (ppm)	LT drift * ppm/khr	25C, max ppm/V	25C, max ppm/mA	Herm? (Y/N)	25C acc. (%)	pkg (type)	type (BG/Z)	full p/n	vendor	1Q 2013 price (ea)
AD587K	AD	10	13.5	36	2 / 4	<30	10		0.4	15	10	10	N	0.05	8-DIP	Z	AD587KNZ	Newark	\$6.48
AD587U	AD	10	13.5	36	2 / 4	<30	5		0.4	15	10	10	Y	0.05	8-CDIP	Z	AD587UQ	Digikey	\$23.69
LT1031	LT	10	11	40	1.2 / 1.7	10	5		0.6	15	4	25	Y	0.05	3pin TO-39	Z	LT1031BCH	Linear	\$9.00
1N829A	AF	6.2			7.5			5					Y		DO-35	Z	JAN 1N829	Ebay	\$4.00
AD586L	AD	5	10.8	36	2 / 3	10	5		0.8	15	20	20	Y	0.05	8-CDIP	Z	AD586LQ	Arrow	\$11.17
VRE305	Apex	5	13.5	22	5 / 7	10		0.6	0.6	6	10	3 (typ)	Y	0.01	8-DIP	Z	VRE305AD	DigiKey	\$93.33
LT1236-5	LT	5	6	40	0.8 / 1.2	10	5	2	0.6	20	6 / 12	20	Y	0.05	LS-8	Z	LT1236AILS8-5	Linear	\$7.23
LT1021C-5	LT	5	7.2	40	0.8 / 1.2	10	20	3	0.6	15	2 / 6	20	Y	0.05	8pin TO-5	Z	LT1021CCH-5	Linear	\$6.25
LT1027	LT	5	8	40	2.2 / 3.1	15	3	2	0.6	(20)	6 / 12	-3 / 6	N	0.05	8-DIP	Z	LT1027CCN	DigiKey	\$8.42
MAX6350	Maxim	5	8	36	2 / 3	15	1	0.5	0.6	(30)	30	1 / 6	N	0.025	8-DIP	Z	MAX6350CPA	Arrow	\$12.77
REF5050	TI	5	5.2	18	1	10	6.5	4	3		1	30	N	0.05	8-SOIC	BG	REF5050MDREP	DigiKey	\$12.26
ADR4540B	AD	4.096	4.2	15	0.7 / 0.95	10	2		0.66	25	1 / 10	25 / 80	N	0.02	8-SOIC	U	ADR4540BRZ	DigiKey	\$7.76
VRE4141	Apex	4.096	4.3	5.5	.23 / .32	8	0.5	1	2.2	50	20 / 200	1 / 20	N	0.05	8-SOIC				n/a
LTC6655	LT	4.096	4.6	13	5 / 7	5	2	1		60 (20)	5 / 25	3 (typ)	N (Y)	0.025	MS8 (LS8)			Linear	
LT4161A	LT	4.096	4.6	20	0.035 / 0.05	50	3	3	8	60	2 / 8	12 / 30	N	0.04	8-SOIC	BG	LT4161ACS8-4#PBF	DigiKey	\$10.80
MAX6341	Maxim	4.096	8	36	2 / 3	15	1	0.5	0.6	(30)	7	1 / 6	N	0.025	8-DIP	Z	MAX6341CPA+	DigiKey	\$12.13
MAX6241	Maxim	4.096	8	36	2 / 3	15	2	1	0.6	(20)	10 / 18	1 / 6	N	0.025	8-DIP	Z	MAX6241ACPA+	DigiKey	\$8.42
REF5040	TI	4.096	4.3	18	1	10	5	3	3		1	30	N	0.05	8-SOIC	BG	REF5040MDREP	DigiKey	\$12.26
LM4140	TI	4.096	4.3	5.5	.27 / .35	8	3	3	0.5	60	20 / 200	5 / 35	N	0.1		BG			

heated voltage references

LTZ1000	LT	7.2	*	*	300 mW	*		0.05	0.28 max	.28 typ.	65 C		Y	4	8pin TO-5	Z	LTZ1000CH#PBF	LT	\$42.85
LM399	LT	6.95			450 mW		1	0.3	1.4 typ	8			Y	5	4pin TO-46	Z	LM399AH	LT	\$13.19

notes - practical examples

REF5050ID	REF5-01	http://www.voltagestandard.com
AD587LQ / LN	SVR	http://www.gellerlabs.com/SVR%20Series.htm
LM399	Keithley 196	http://institute.unileoben.ac.at/physik/Praktikum/Manuals/Keithley_196_DMM.pdf
VRE305	Tipton Meter	http://www.tdl-tech.com/hires-vm.pdf
MAX6350	P-H Kamp	http://www.febo.com/pipermail/volt-nuts/2010-September/000447.html

* long-term drift specified for hermetic pkg options only. (values) where hermetic version is discontinued

** Quiescent current Iq shown as (typ / max) at 25 C

data sheet

http://www.analog.com/static/imported-files/data_sheets/AD587.pdf
http://www.analog.com/static/imported-files/data_sheets/AD587.pdf
<http://cds.linear.com/docs/Datasheet/1031fb.pdf>
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<http://cds.linear.com/docs/Datasheet/1000afd.pdf>
<http://cds.linear.com/docs/Datasheet/LM199399fb.pdf>

vendor page

<http://www.newark.com/analog-devices/ad587knz/ic-series-v-ref-10v-5mv-8-dip/dp/12M8694>
<http://www.digikey.com/product-search/en?x=0&y=0&lang=en&site=us&Keywords=AD587U>
<http://www.linear.com/purchase/LT1031>

<http://components.arrow.com/part/detail/51963S6027639N2771>
<http://www.digikey.com/product-detail/en/VRE305AD/598-1939-ND/2036540>
<http://www.linear.com/purchase/LT1236>
<http://www.linear.com/purchase/LT1021>
<http://www.digikey.com/product-detail/en/LT1027CCN8-5%23PBF/LT1027CCN8-5%23PBF-ND/891278>

<http://www.digikey.com/product-detail/en/REF5050MDREP/296-27432-1-ND/2294514>
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<http://www.digikey.com/product-search/en?x=0&y=0&lang=en&site=us&Keywords=MAX6341CPA>
<http://www.digikey.com/product-detail/en/MAX6241ACPA%2B/MAX6241ACPA%2B-ND/1099021>
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<http://www.linear.com/purchase/LTZ1000>
<http://www.digikey.com/product-search/en?x=0&y=0&lang=en&site=us&Keywords=LM399AH>