

REF-R - Feature #1177

2 x VREFs sale

15/02/2015 18:38 - tin

Status:	In Progress	Start date:	15/02/2015
Priority:	Normal	Due date:	23/02/2015
Assignee:	tin	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
<p>Some stuff need to go, to much voltage references around. For volt-nut enjoyment, offering two modules with Linear LTZ1K for sale.</p> <p>1. Fully assembled and functional revision board with LTZ1000A (24week 2014).</p> <ul style="list-style-type: none">• 7.13659 VDC output with +23.6°C ambient temp, according to my calibrated Keithley 2001.• +12...+20VDC input supply voltage. Once settled, consumes about 35mA of current• LTC2057 chopper amplifiers for both zener and heater sections• Two MAXIM MAX6610 temperature sensors (one near main opamp, second on bottom side near LTZ)• Vishay VPG Z202T 0.01% (120R,1K,13K) and VHP203T 70K000 0.1% precision resistors.• Within 1ppm window from other 4 LTZ references I have according to Keithley 2002• ~2 month of 24/7 operation, so not much aging <p>350\$USD shipped worldwide.</p> <p>2. Fully assembled and functional prototype board with LTZ1000 (16week 2014).</p> <ul style="list-style-type: none">• 7.12969 VDC output with +23.6°C ambient temp, according to my calibrated Keithley 2001.• +12...+20VDC input supply voltage. Once settled, consumes about 35mA of current• LTC2057 chopper amplifiers for both zener and heater sections• Two MAXIM MAX6610 temperature sensors (one near main opamp, second on bottom side near LTZ)• Vishay VPG Z202T 0.01% (120R,1K,12K) and VHP203T 70K000 0.1% precision resistors.• Within 1ppm window from other 4 LTZ references I have according to Keithley 2002• Film capacitors• ~4 month of 24/7 operation <p>310\$USD shipped worldwide.</p> <p>Prototype board have few bodes and jumpwires, but fully functional. All parts genuine, bought directly from vendors (LT and Vishay, passives from digikey).</p> <p>Few blank boards, as well as schematics, gerbers will be included for free to any of reference buyers. Selling [url=http://www.eevblog.com/forum/projects/project-kx-diy-calibrator-reference-sourcemeter/msg405089/#msg405089]them basically at BOM cost[url], as need to get resources for other parts.</p>			

History

#1 - 15/02/2015 18:39 - tin

- File a01_bot.jpg added
- File a01_bot_s.jpg added
- File a01_top.jpg added
- File a01_top_s.jpg added
- File b01_bot.jpg added
- File b01_bot_s.jpg added
- File b01_top.jpg added
- File b01_top_s.jpg added
- File meas1.jpg added
- File meas1_s.jpg added

#2 - 15/02/2015 18:39 - tin

- File br1.jpg added
- File br1_s.jpg added
- File br2_s.jpg added
- File br3_s.jpg added
- File br4_s.jpg added

#3 - 09/03/2015 23:27 - tin

- Project changed from KX to REF-R
- Category deleted (103)
- Target version deleted (release)

Files

a01_bot.jpg	6.34 MB	15/02/2015	tin
a01_bot_s.jpg	118 KB	15/02/2015	tin
a01_top.jpg	6.64 MB	15/02/2015	tin
a01_top_s.jpg	143 KB	15/02/2015	tin
b01_bot_s.jpg	126 KB	15/02/2015	tin
b01_bot.jpg	12 MB	15/02/2015	tin
b01_top.jpg	7.86 MB	15/02/2015	tin
b01_top_s.jpg	139 KB	15/02/2015	tin
meas1.jpg	7.29 MB	15/02/2015	tin
meas1_s.jpg	166 KB	15/02/2015	tin
br1.jpg	4.75 MB	15/02/2015	tin
br1_s.jpg	123 KB	15/02/2015	tin
br2_s.jpg	178 KB	15/02/2015	tin
br3_s.jpg	140 KB	15/02/2015	tin
br4_s.jpg	134 KB	15/02/2015	tin