dec 18 2015					**Setup**								
					Pins 4-5 shorted, Q1 (current sense)								
					Pins 6-8 shorted, Q2 (temp sensor)								
					Pin 2-4 shorted, prevent heater substrate dode ESD								
LTZ1000	**Date code 1535**												
Deg C	**Q1 Vbe**	**pin 4-7**				**Q2 Vbe**	**pin 8-7**			**Zener voltage**			**pin 3-4**
current source					**temp control**								
C	**50 ua**	**100 ua**	**200 ua**	**1ma**	**C**	**50 ua**	**100 ua**	**200 ua**		**C**	**0.5 ma**	**1 ma**	**2 ma**	**4 ma**
-52	0.7854	0.7987	0.8121	*0.85*	**-52**	0.7655	0.7789	0.7924		**-52**	6.3105	6.323	6.345	6.3918
-25	0.7249	0.74609	0.7554	0.793	**-25**	0.7036	0.7187	0.7338		**-25**	6.3799	6.3938	6.4198	6.4705
0	*0.67105*	*0.690745*	*0.7046*	*0.7462*	**0**	0.6483	*0.6644*	0.6813		**0**	6.4445	6.4601	6.489	6.546
25.1	0.6172	0.6354	0.6538	0.6994	**25.1**	0.59153	*0.6096*	0.6278		**25.1**	6.5103	6.5277	6.5604	6.6245
50	0.5636	0.5832	0.6031	0.6524	**50**	0.5356	*0.5548*	0.5748		**50**	6.5771	6.5963	6.632	6.7045
75	0.5078	0.52911	0.5506	0.6037	**75**	0.47792	0.499	0.5203		**75**	6.6423	6.6635	6.704	6.783
100	0.4517	0.4746	0.4977	0.5549	**100**	0.4201	0.4427	0.4655		**100**	6.7081	6.7316	6.7758	6.8641
125	0.3951	0.4197	0.4446	0.5059	**125**	0.3627	0.386	0.4116		**125**	6.7713	6.79705	6.8455	6.941
150	0.3321	0.3591	0.3861	0.4528	**150**	0.2992	0.32505	0.3511		**150**	6.8421	6.8707	6.9242	7.0306
LTZ1000A	**Date code 9616**													
-52	0.785	0.7988	0.8119		**-52**	0.7674	0.781	0.7945		**-52**	6.3318	6.3446	6.3685	6.4163
-25	0.7299	0.74501	0.7603		**-25**	0.7092	0.7242	0.7394		**-25**	6.3992	6.4134	6.4394	6.4928
0	0.6779	0.6845	0.7114	0.7531	**0**	0.6555	0.6721	0.6887		**0**	6.4617	6.4771	6.5056	6.561
24.6	0.6245	0.64266	0.66106	0.70653	**24.6**	0.60005	0.6181	0.6363		**24.6**	6.526	6.544	6.575	6.633
50	0.5684	0.5883	0.6084	0.6583	**50**	0.54301	0.5626	0.5824		**50**	6.5911	6.6096	6.6435	6.7115
75	0.5155	0.5363	0.5578	0.6111	**75**	0.4866	0.5077	0.529		**75**	6.6579	6.678	6.715	6.789
100	0.4585	0.4812	0.5043	0.5615	**100**	0.4279	0.4507	0.4736		**100**	6.724	6.7461	6.787	6.865
125	0.4041	0.4283	0.4528	0.5138	**125**	0.3698	0.3937	0.4179		**125**	6.7915	6.8159	6.859	6.947
150	0.3412	0.3677	0.3956	0.4619	**150**	0.3082	0.3338	0.3595		**150**	6.858	6.885	6.935	7.031