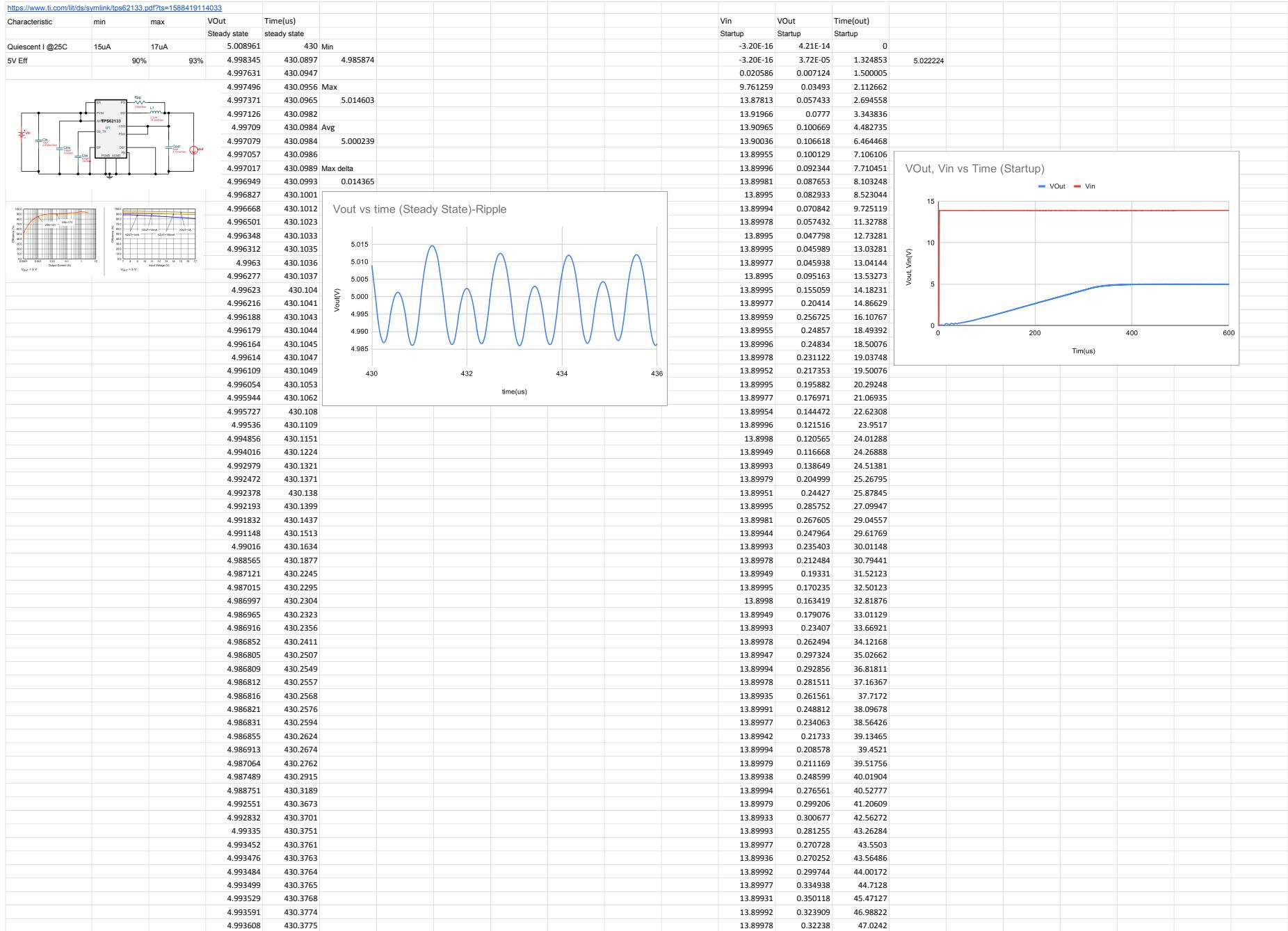
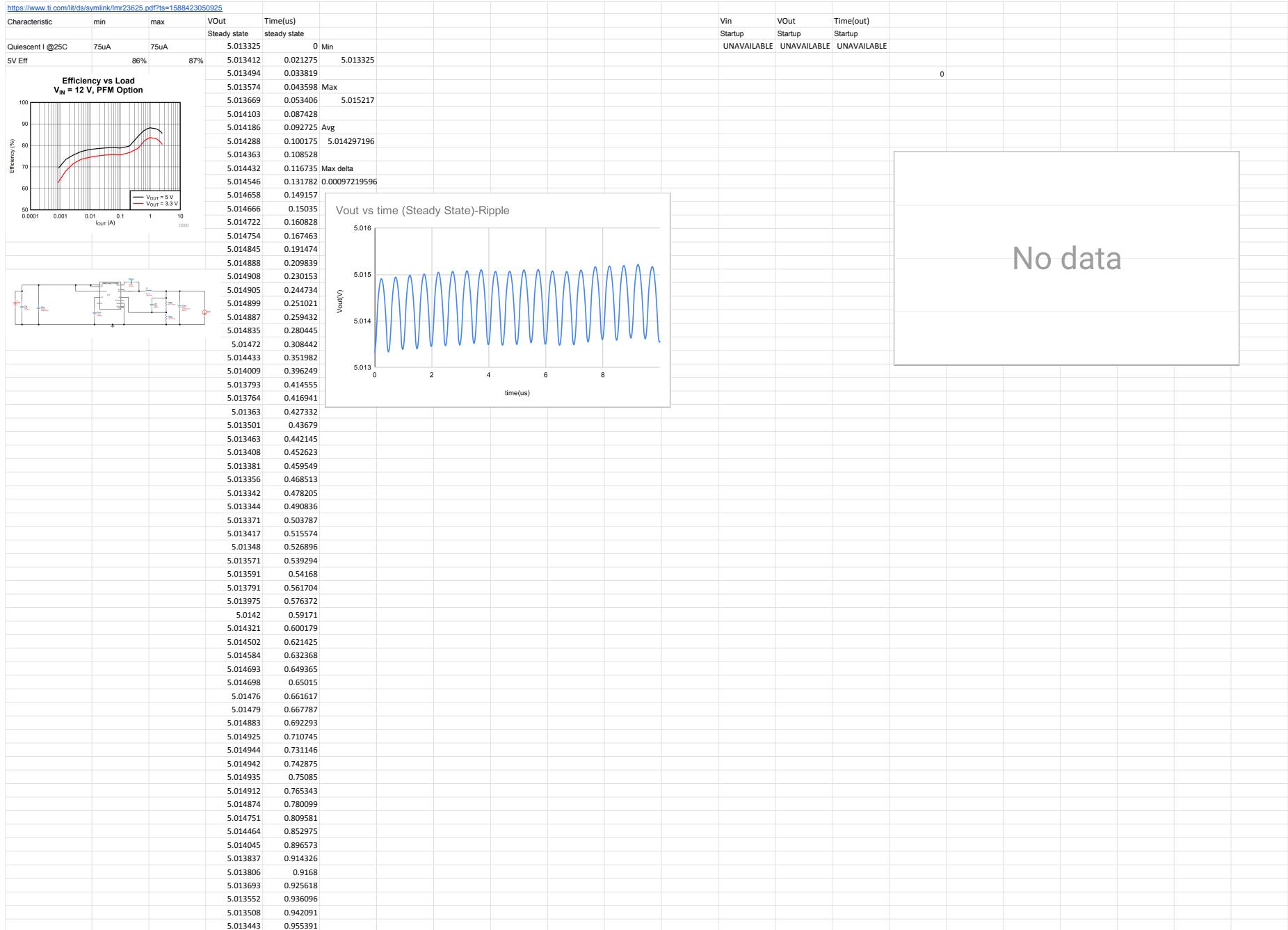


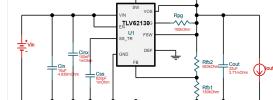
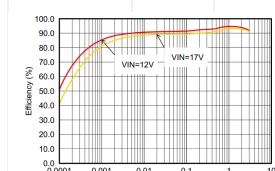
Number	Part number	Listed efficiency (%)	Price/unit (\$)	Switching frequency (KHz)	Maximum Current (A)	Package	Max Shift from 5V	External Components
1	TPS62133	93.9	0.7	1350	3	QFN-16	0.0143	6
2	LMR23625CFP	88.5	1.19	2100	2.5	SOIC-8	0.0009	9
3	TLV62130	93.9	0.57	1350	3	QFN-16	0.0145	8
4	TPS54260	86.3	1.36	850.96	2.5	MSOP-10	0.0014	14
5	TPS54427	85.5	1.78	749.93	4	SOIC-8	0.0156	10
6	LM25116	95.5	1.5	525.97	5	HTSSOP-20	0.0047	20
7	TPS56637	91.9	1.32	559.9	6	VQFN-HR-10	0.0133	10
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Criteria	Weight(Max 4)	TPS62133	LMR23625CFP	TLV62130	TPS54260	TPS54427	LM25116	TPS56637
Average efficiency	4	3	1	3	1	1	3	2
Cost/unit	2	3	2	3	2	1	1	2
Max V shift	3	1	3	1	3	1	2	1
External Components	1	3	3	3	2	2	1	2
Current Capability	2	3	2	3	2	3	3	3
Total	36	31	25	31	24	18	28	24



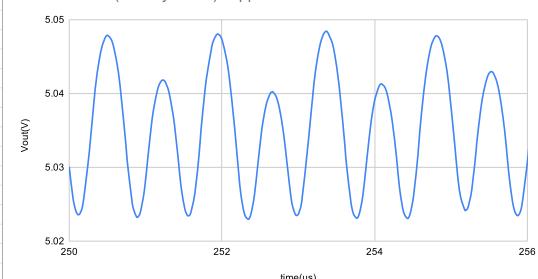


<https://www.ti.com/lit/ds/symlink/tlv62130.pdf?is=1588424327338>

Characteristic	min	max	VOut	Time(μs)
			Steady state	steady state
Quiescent I @25C	19μA	27μA		
5V Eff	93%	93%	5.030064	250 Min

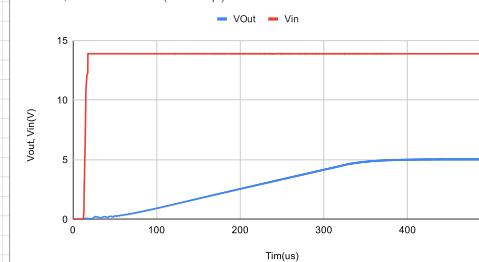


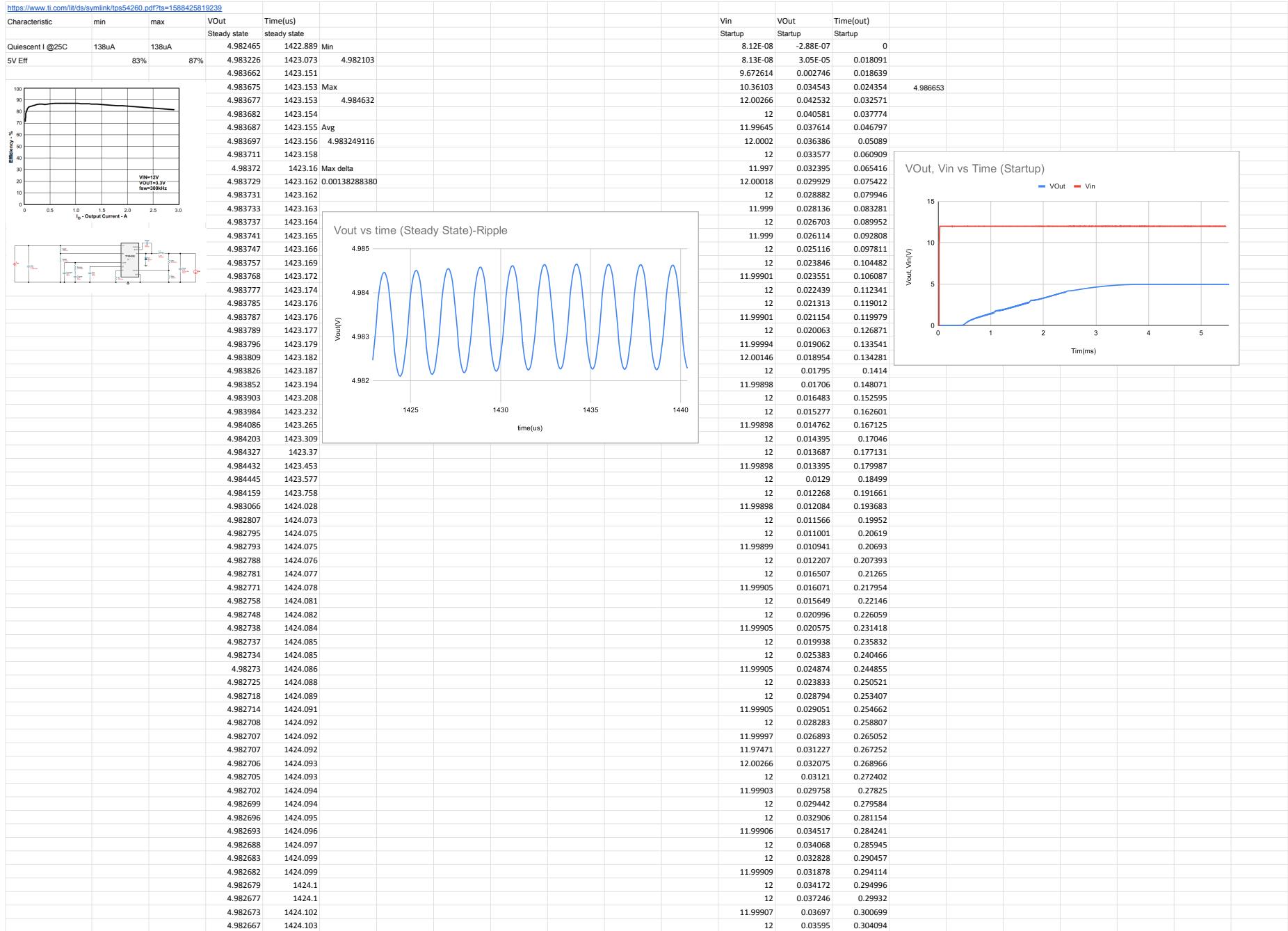
Vout vs time (Steady State)-Ripple

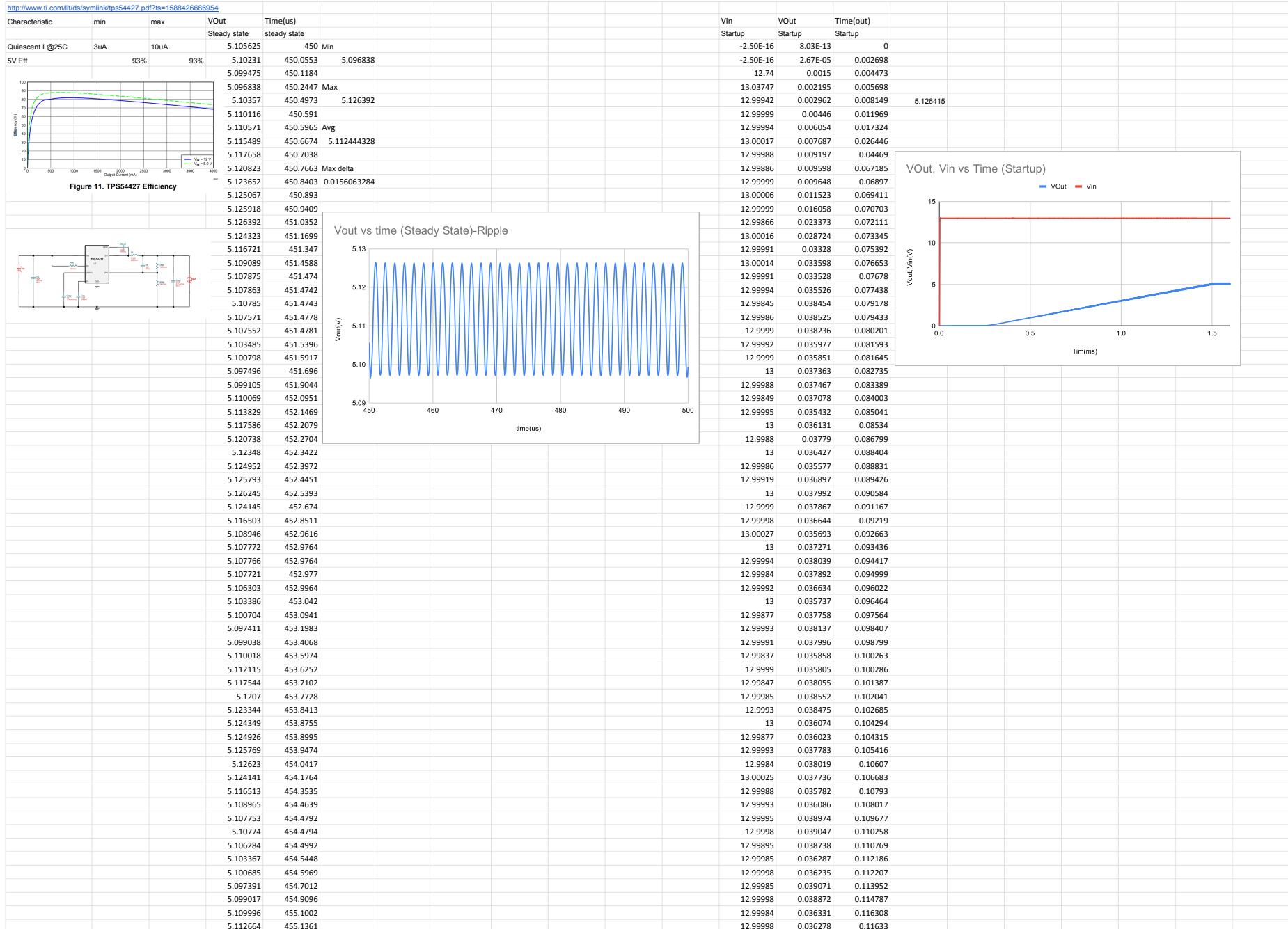


Vin	VOut	Time(out)
Startup	Startup	Startup
-3.20E-16	4.21E-14	0
5.025899	250.0478	5.021887
5.024015	250.0893	
5.023601	250.1292	Max
5.024883	250.1766	5.04917
5.032115	250.2628	
5.040454	250.3378	Avg
5.044324	250.3893	5.034576845
5.046349	250.4292	
5.047631	250.475	Max delta
5.047863	250.5005	0.01459315479
5.04698	250.5628	
5.04411	250.6243	
5.04123	250.6635	
5.033082	250.7418	
5.030856	250.7589	
5.025174	250.8246	
5.024366	250.8404	
5.023293	250.8803	
5.023252	250.8975	
5.02384	250.929	
5.026738	250.9822	
5.031042	251.0269	
5.036166	251.081	
5.038033	251.1075	
5.040446	251.1551	
5.041326	251.184	
5.041779	251.216	
5.041809	251.229	
5.041631	251.2529	
5.040211	251.3046	
5.035796	251.3778	
5.028927	251.4478	
5.026876	251.471	
5.024341	251.5142	
5.023521	251.5447	
5.023445	251.57	
5.023738	251.5885	
5.026523	251.6461	
5.032107	251.7036	
5.035182	251.7269	
5.040504	251.7786	
5.042074	251.7971	
5.046321	251.8666	
5.047152	251.8893	
5.047933	251.9276	
5.048031	251.9461	
5.04782	251.9752	
5.047183	252.0035	
5.044568	252.0614	
5.042089	252.0969	
5.035151	252.168	
5.027523	252.2341	
5.024894	252.2697	
5.023515	252.3002	
5.022964	252.3483	
5.023658	252.3793	
5.026135	252.4243	
5.030196	252.4682	
5.034869	252.5189	
5.036596	252.5441	
5.038712	252.5856	
5.040034	252.6348	
5.040214	252.659	
5.040205	252.6669	
5.039553	252.7109	

VOut, Vin vs Time (Startup)

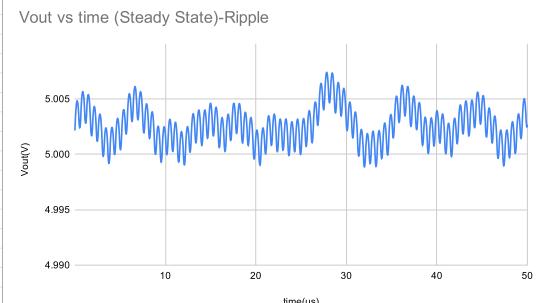






<http://www.ti.com/lit/ds/symlink/lm25116.pdf?ts=1588527784281>

Characteristic	min	max	VOut	Time(us)
			Steady state	steady state
Quiescent I @25C		10uA	5.002152	0.010012 Min
5V Eff	92%	95%	5.003091	0.054017 4.998874
			5.003744	0.094995
			5.00449	0.166008 Max
			5.004623	0.186032 5.007397
			5.004788	0.226079
			5.00482	0.246102 Avg
			5.004817	0.266009 5.002622009
			5.00471	0.306056
			5.004468	0.346103 Max delta
			5.004083	0.386033 0.00477499139
			5.00355	0.427011
			5.002797	0.471016
			5.002425	0.530039
			5.002419	0.550062
			5.002475	0.570086
			5.002768	0.610016
			5.003304	0.650063
			5.004083	0.69011
			5.004623	0.722008
			5.005316	0.788015
			5.005453	0.808039
			5.005626	0.848086
			5.005661	0.868109
			5.005629	0.90804
			5.005562	0.928063
			5.005159	0.988017
			5.004905	1.013046
			5.004223	1.063105
			5.00329	1.114095
			5.003046	1.138076
			5.002823	1.186039
			5.002906	1.226086
			5.003233	1.266017
			5.003803	1.306063
			5.004475	1.343084
			5.005052	1.402106
			5.005285	1.442037
			5.005382	1.482083
			5.005342	1.522014
			5.005168	1.562061
			5.004857	1.602108
			5.004412	1.642038
			5.003697	1.68907
			5.003122	1.721084
			5.002125	1.775101
			5.00184	1.806067
			5.001689	1.845998
			5.001781	1.886045
			5.002376	1.945999
			5.003075	1.986045
			5.003468	2.010027
			5.004109	2.082088
			5.00421	2.101995
			5.00431	2.142042
			5.004274	2.182089
			5.004103	2.222019
			5.003796	2.262066
			5.002651	2.349028
			5.001757	2.39606
			5.001381	2.432032
			5.001201	2.472079
			5.001266	2.51201
			5.001574	2.552057
			5.002613	2.618064
			5.002898	2.639019



No data

