



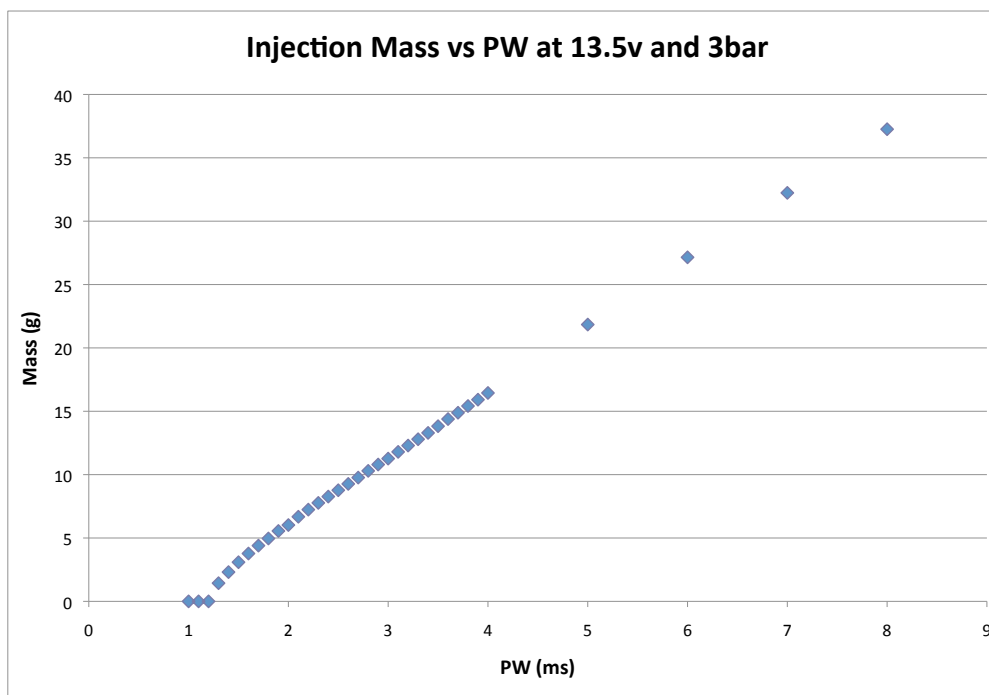
Fuel Injector Characterization Summary

PN: 18u-XX-0039-X

Pulsed Flow Data (3bar)				Linearity
Pulse Width (ms)	Volumetric (cc/shot)	Gravimetric (mg/shot)	% Mass Deviation	
1.0	0	0	0.00%	NON LINEAR RANGE
1.1	0	0	0.00%	
1.2	0	0	0.00%	
1.3	0.0019	1.435	-38.75%	
1.4	0.0031	2.309	-19.47%	
1.5	0.0041	3.089	-8.90%	LINEAR RANGE
1.6	0.0050	3.776	-3.55%	
1.7	0.0059	4.400	-0.86%	
1.8	0.0066	4.961	-0.01%	
1.9	0.0074	5.554	1.26%	
2.0	0.0080	6.022	0.22%	
2.1	0.0089	6.678	2.22%	
2.2	0.0097	7.239	2.59%	
2.3	0.0104	7.770	2.51%	
2.4	0.0110	8.269	2.04%	
2.5	0.0117	8.768	1.64%	
2.6	0.0124	9.268	1.28%	
2.7	0.0130	9.767	0.96%	
2.8	0.0138	10.297	0.97%	
2.9	0.0144	10.797	0.70%	
3.0	0.0150	11.265	0.17%	
3.1	0.0158	11.795	0.22%	
3.2	0.0164	12.294	0.01%	
3.3	0.0171	12.794	-0.18%	
3.4	0.0178	13.293	-0.35%	
3.5	0.0185	13.823	-0.29%	
3.6	0.0192	14.385	-0.01%	
3.7	0.0199	14.884	-0.18%	
3.8	0.0206	15.415	-0.13%	
3.9	0.0213	15.914	-0.28%	
4.0	0.0220	16.445	-0.23%	
5.0	0.0292	21.843	0.57%	
6.0	0.0363	27.148	0.72%	
7.0	0.0430	32.234	0.13%	
8.0	0.0498	37.258	-0.45%	

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	344	32.8	4.29
3	300	43.5	418	39.8	5.21
4	400	58.0	482	45.9	6.02
5	500	72.5	547	52.1	6.83

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.863	1.332	0.916	0.613	0.426
3bar	2.102	1.488	1.011	0.669	0.463
4bar	2.224	1.599	1.112	0.762	0.550
5bar	2.513	1.771	1.200	0.801	0.575



NOTES

All mass values (gravimetric) are calculated for pump gas using SG of 0.749

Application specific calibration summaries are also available (visit website or inquire with tech support)

Data on calibration summaries may vary slightly from data on this sheet due to in-car optimization