



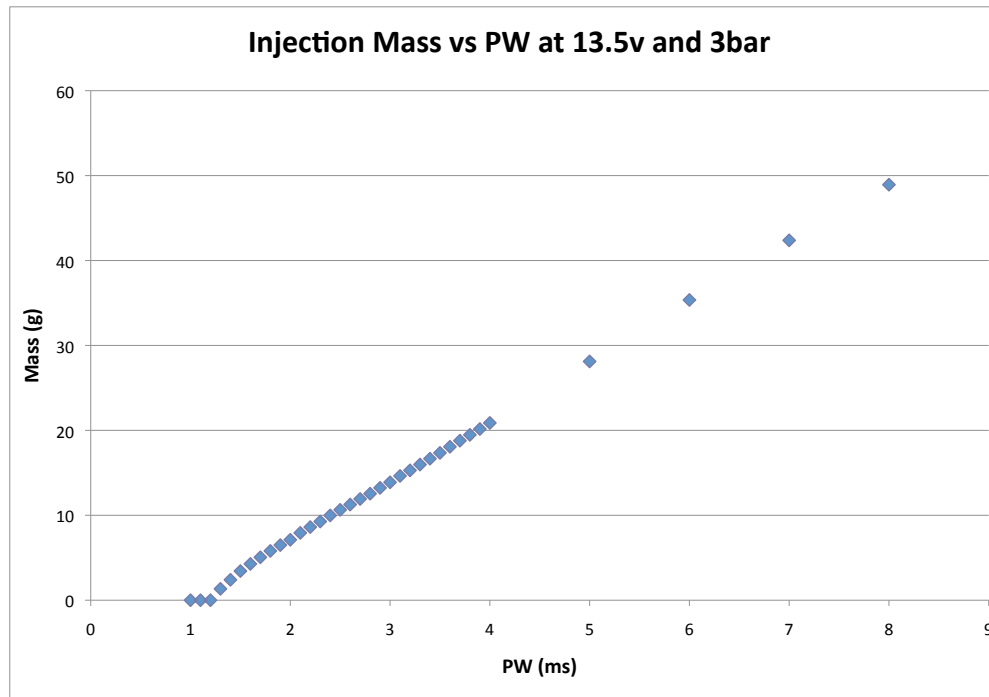
Fuel Injector Characterization Summary

PN: 18u-XX-0050-X, 18u-XX-0550-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	0.0018	1.342	-26.85%	
1.4	0.0032	2.403	-5.48%	
1.5	0.0046	3.432	5.63%	
1.6	0.0057	4.275	8.03%	
1.7	0.0068	5.055	8.37%	
1.8	0.0078	5.804	8.03%	
1.9	0.0087	6.490	6.75%	
2.0	0.0095	7.115	4.82%	LINEAR RANGE
2.1	0.0106	7.926	4.92%	
2.2	0.0115	8.612	4.99%	
2.3	0.0124	9.268	4.01%	
2.4	0.0133	9.985	3.82%	
2.5	0.0142	10.641	3.05%	
2.6	0.0150	11.265	2.10%	
2.7	0.0159	11.920	1.53%	
2.8	0.0168	12.544	0.77%	
2.9	0.0177	13.231	0.57%	
3.0	0.0185	13.886	0.16%	
3.1	0.0195	14.635	0.44%	
3.2	0.0204	15.290	0.08%	
3.3	0.0213	15.977	-0.06%	
3.4	0.0223	16.663	-0.18%	
3.5	0.0232	17.350	-0.30%	
3.6	0.0241	18.067	-0.23%	
3.7	0.0251	18.785	-0.17%	
3.8	0.0260	19.471	-0.27%	
3.9	0.0269	20.158	-0.36%	
4.0	0.0279	20.876	-0.30%	
5.0	0.0375	28.115	0.36%	
6.0	0.0472	35.354	0.75%	
7.0	0.0566	42.375	0.49%	
8.0	0.0653	48.928	-0.64%	

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	457	43.5	5.70
3	300	43.5	571	54.4	7.12
4	400	58.0	665	63.4	8.30
5	500	72.5	750	71.5	9.36

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	2.134	1.521	1.049	0.719	0.530
3bar	2.305	1.675	1.181	0.823	0.601
4bar	2.468	1.791	1.273	0.913	0.712
5bar	2.607	1.939	1.419	1.046	0.822



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