AEROTECH G33

CERTIFIED VALUES

Total Impulse: 100 newton-seconds
Delays: 5, 7 seconds

Propellant Type: Composite
Propellant Mass: 72.2 grams

Casing Dimensions: 29 mm × 124 mm

Certification Date: 94-June-12

Certification Type: High Power Rocket

STATIC TEST DATA

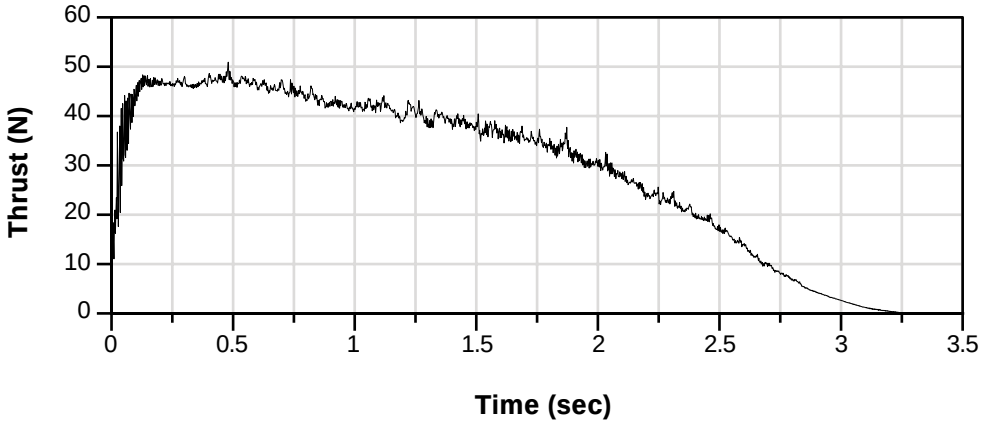
Date Tested: 94-June-11

Total Impulse:	98.39 newton-seconds	(σ 1.02)
Peak Thrust:	50.92 newtons	(σ 3.31)
Burn Time:	3.27 seconds	(σ 0.25)
Average Thrust:	30.09 newtons	

Mass After Firing: 82.5 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
5	4.98	159.3 g	624 g
7	7.65	159.4 g	454 g

TYPICAL THRUST-TIME CURVE



REMARKS

Uses AeroTech RMS-29/40-120 Reload System and AeroTech G33 Reload Kit. No substitutions allowed.

Updated: 8/96

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; Aerotech G33 RASP.ENG file made from NAR published data
; File produced July 4, 2000
; The total impulse, peak thrust, average thrust and burn time are
; the same as the averaged static test data on the NAR web site in
; the certification file. The curve drawn with these data points is as
; close to the certification curve as can be with such a limited
; number of points (32) allowed with wRASP up to v1.6.
G33 29 124 5-7 .0722 .1593 A
0.027 22.642
0.061 42.201
0.117 47.354
0.243 46.678
0.340 46.339
0.438 47.384
0.480 50.920
0.508 46.359
0.543 47.732
0.662 45.693
0.851 42.280
1.039 41.266
1.116 42.987
1.193 39.226
1.221 42.310
1.312 38.888
1.326 40.609
1.479 38.221
1.675 35.157
1.843 32.770
1.878 36.888
1.899 32.093
1.997 30.382
2.130 26.622
2.263 23.547
2.444 19.110
2.591 13.977
2.752 8.502
2.892 4.743
3.053 2.014
3.270 0.000