AEROTECH G64

CERTIFIED VALUES

Total Impulse: 120 newton-seconds
Delays: 4, 8, 10 seconds

Propellant Type: Composite
Propellant Mass: 62.5 grams

Casing Dimensions: 29 mm × 124 mm

Certification Date: 94-February-28
Contest Use Date: 94-May-29

Certification Type: Model Rocket

STATIC TEST DATA

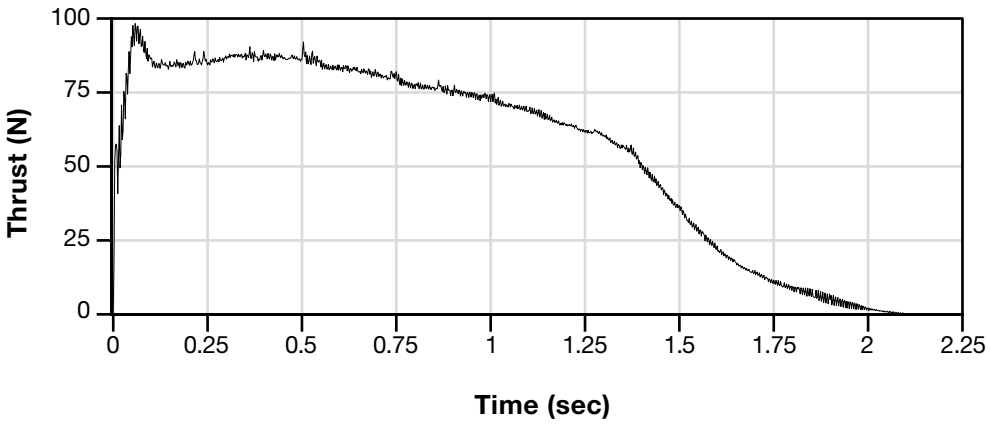
Date Tested: 94-February-27

Total Impulse:	118.80 newton-seconds	(σ 2.50)
Peak Thrust:	98.31 newtons	(σ 8.45)
Burn Time:	2.09 seconds	(σ 0.14)
Average Thrust:	56.84 newtons	

Mass After Firing: 83.4 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
4	4.04	151.0 g	1247 g
8	8.39	151.4 g	794 g
10	11.08	151.3 g	482 g

TYPICAL THRUST-TIME CURVE



REMARKS

Uses AeroTech RMS-29/40-120 Reload System and AeroTech G64 Reload Kit. No substitutions allowed.

Updated: 8/96

; Aerotech G64 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.
G64 29 124 4-8-10 .0625 .1512 A
0.014 54.325
0.032 81.488
0.059 98.310
0.101 85.021
0.165 83.847
0.274 85.614
0.370 87.390
0.476 86.798
0.503 91.516
0.517 85.614
0.585 83.847
0.723 80.896
0.745 82.070
0.773 77.945
0.883 75.576
0.988 74.401
1.093 69.673
1.262 61.412
1.280 61.994
1.326 58.451
1.372 54.907
1.422 47.238
1.505 34.841
1.591 23.027
1.701 13.581
1.829 7.085
1.902 4.133
1.966 1.771
2.090 0.000