

AEROTECH F37

CERTIFIED VALUES

Total Impulse: 50 newton-seconds
Delays: 6, 10, 14 seconds

Propellant Type: Composite
Propellant Mass: 28.2 grams

Casing Dimensions: 29 mm × 99 mm

Certification Date: 97-July-6
Contest Use Date: 97-September-4

Certification Type: Model Rocket

STATIC TEST DATA

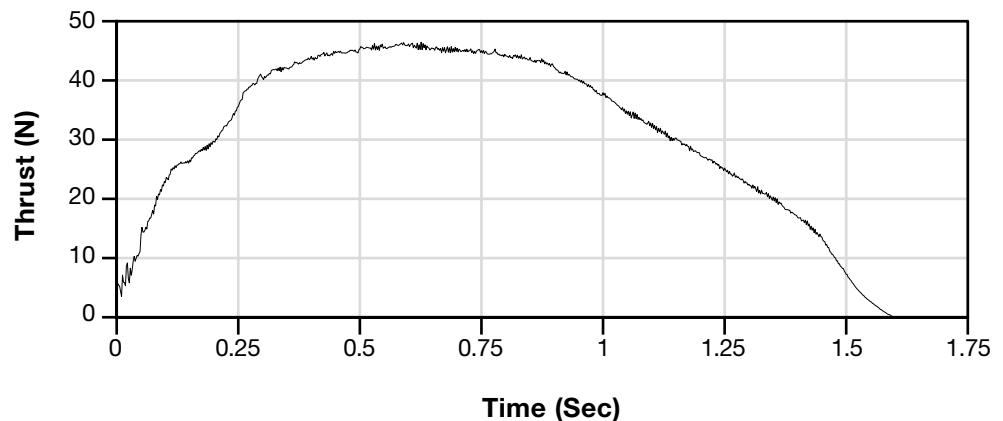
Date Tested: 97-July-5

Total Impulse: 50.67 newton-seconds (σ 2.05)
Peak Thrust: 46.47 newtons (σ 1.71)
Burn Time: 1.60 seconds (σ 0.10)
Average Thrust: 31.67 newtons

Mass After Firing: 73.9 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
6	5.13	108.4 g	
10	9.93	109.3 g	
14	12.43	108.2 g	

TYPICAL THRUST-TIME CURVE



REMARKS

Uses AeroTech RMS-29/60 Reload System and AeroTech F37 Reload Kit. No substitutions allowed.

; Aerotech F37 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.

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F37 29 99 6-10-14 .0282 .1086 A
0.018 7.251
0.053 13.626
0.088 22.331
0.106 25.227
0.141 26.385
0.183 28.411
0.260 37.685
0.310 41.449
0.422 44.035
0.524 45.183
0.590 46.470
0.682 45.153
0.864 43.386
0.934 40.471
1.042 35.230
1.151 29.699
1.246 25.037
1.354 19.796
1.445 13.397
1.498 7.586
1.540 3.226
1.600 0.000
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