

AEROTECH E6T-RC

CERTIFIED VALUES

Total Impulse: 40 newton-seconds
Delays: None

Propellant Type: Composite
Propellant Mass: 21.5 grams

Casing Dimensions: 24 mm × 70 mm

Certification Date: 94-June-12
Contest Use Date: 94-September-10

Certification Type: Model Rocket

STATIC TEST DATA

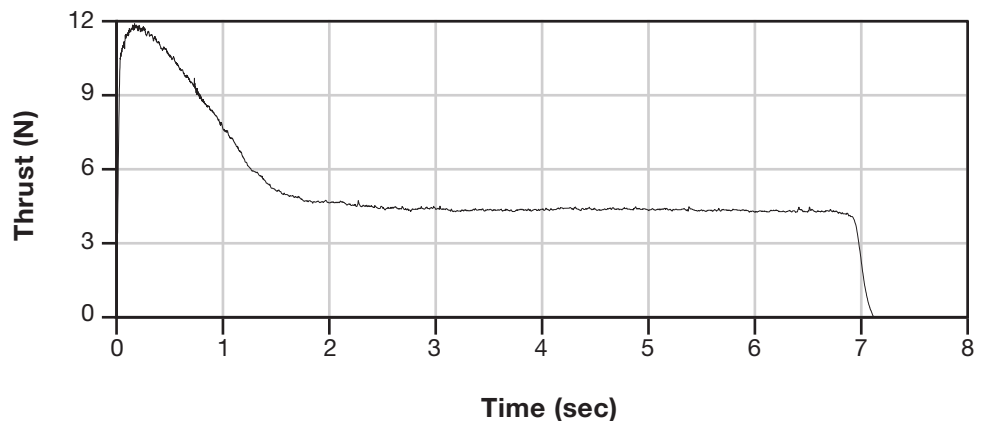
Date Tested: 94-June-11

Total Impulse: 37.50 newton-seconds (σ 0.75)
Peak Thrust: 11.90 newtons (σ 0.82)
Burn Time: 7.12 seconds (σ 0.15)
Average Thrust: 5.27 newtons

Mass After Firing: 28.8 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
None	None	52.7 g	

TYPICAL THRUST-TIME CURVE



REMARKS

Uses AeroTech RMS-RC 24/20-40 Reload System and AeroTech E6T-RC Reload Kit. No substitutions allowed.

; Aerotech E6TRC 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.

E6TRC 24 70 NONE .0215 .0527 A
0.047 10.866
0.127 11.693
0.190 11.900
0.316 11.622
0.522 10.593
0.743 9.287
0.996 7.842
1.249 6.190
1.470 5.296
1.787 4.747
2.372 4.471
3.020 4.403
3.747 4.264
4.490 4.403
5.375 4.333
6.087 4.264
6.719 4.264
6.877 4.196
6.957 3.783
7.004 2.614
7.036 1.513
7.083 0.550
7.120 0.000

