AEROTECH F13-RCT

CERTIFIED VALUES

Total Impulse: 63 newton-seconds
Delays: None

Propellant Type: Composite
Propellant Mass: 32.3 grams

Casing Dimensions: 32 mm × 107 mm

Certification Date: 94-April-17
Contest Use Date: 94-July-16

Certification Type: Model Rocket

STATIC TEST DATA

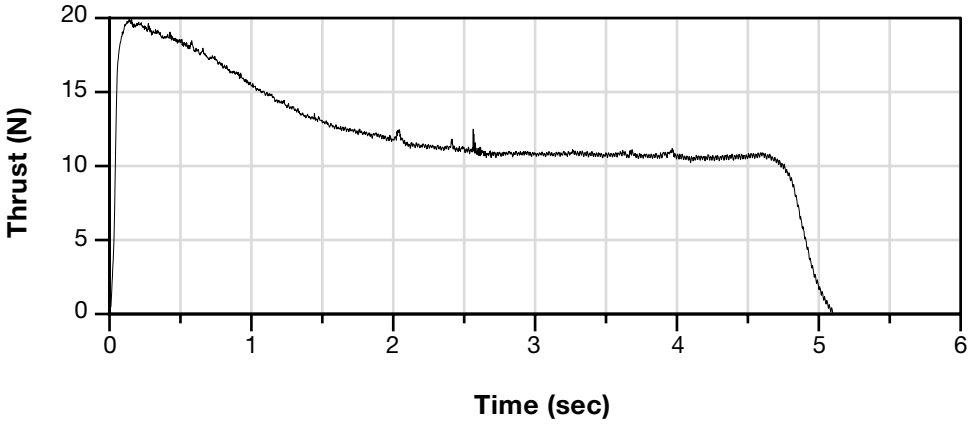
Date Tested: 94-April-16

Total Impulse:	62.07 newton-seconds	(σ 0.59)
Peak Thrust:	19.98 newtons	(σ 0.64)
Burn Time:	5.10 seconds	(σ 0.09)
Average Thrust:	12.17 newtons	

Mass After Firing: 75.2 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
None	None	110.5 g	

TYPICAL THRUST-TIME CURVE



REMARKS

Uses AeroTech RMS-RC 32/60–100 Reload System and AeroTech F13-RCT Reload Kit. No substitutions allowed.

Updated: 8/96

; Aerotech F13RCJ 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.
F13RCJ 32 107 NONE .0323 .1105 A
0.048 15.309
0.084 18.629
0.143 19.980
0.311 18.968
0.538 18.172
0.729 17.138
0.992 15.428
1.279 13.828
1.673 12.456
1.984 11.879
2.044 12.227
2.139 11.313
2.378 11.193
2.510 11.084
2.558 12.108
2.641 10.855
2.976 10.736
3.490 10.627
3.873 10.507
3.992 10.965
4.028 10.627
4.410 10.507
4.625 10.736
4.769 9.941
4.829 8.684
4.865 6.742
4.960 3.199
5.020 1.485
5.100 0.000