

AEROTECH F23-RCW-SK

CERTIFIED VALUES

Total Impulse: 70 newton-seconds
Delays: None

Propellant Type: Composite
Propellant Mass: 37.8 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

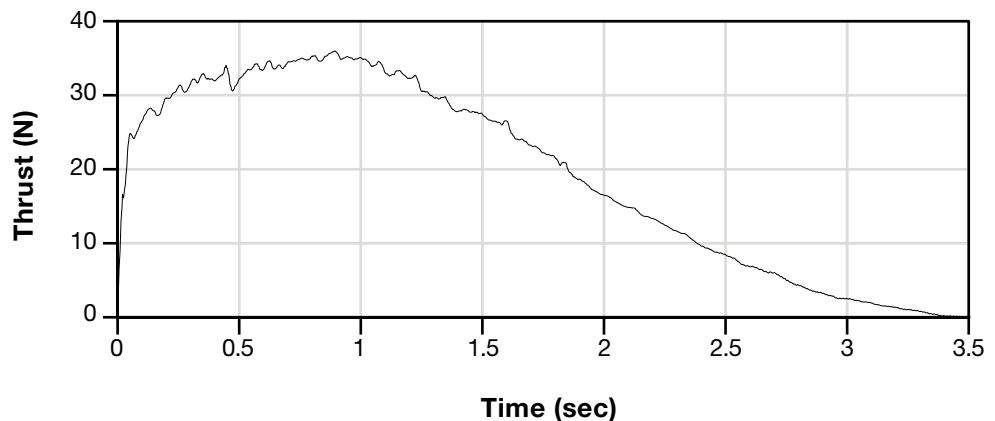
Date Tested: 94-April-16

Total Impulse: 67.44 newton-seconds (σ 0.97)
Peak Thrust: 36.00 newtons (σ 0.36)
Burn Time: 3.47 seconds (σ 0.09)
Average Thrust: 19.44 newtons

Mass After Firing: 82.7 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
None	None	128.7 g	

TYPICAL THRUST-TIME CURVE



REMARKS

Uses AeroTech RMS-RC 32/60-100 Reload System and AeroTech F23-RCW-SK Reload Kit. No substitutions allowed. 20 sec of smoke after burnout.

; Aerotech F23RCWSK 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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F23RCWSK 32 107 NONE .0378 .1287 A
0.042 22.644
0.133 28.191
0.161 27.261
0.189 29.570
0.252 31.419
0.343 32.578
0.399 32.348
0.441 33.737
0.476 30.729
0.539 33.507
0.609 34.197
0.777 34.886
0.826 34.656
0.896 36.000
0.938 34.656
1.015 34.656
1.071 34.197
1.120 33.038
1.218 32.578
1.267 29.810
1.351 29.340
1.393 27.731
1.540 26.802
1.645 24.263
1.799 21.255
1.862 19.866
2.051 15.479
2.317 11.552
2.618 6.700
2.884 3.234
3.185 1.386
3.470 0.000
  
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