

AEROTECH F25

CERTIFIED VALUES

Total Impulse: 80 newton-seconds
Delays: 4, 6, 9 seconds

Propellant Type: Composite
Propellant Mass: 35.6 grams

Casing Dimensions: 29 mm × 97 mm

Certification Date: 88-June-19
Contest Use Date: 88-September-19

Certification Type: Model Rocket

STATIC TEST DATA

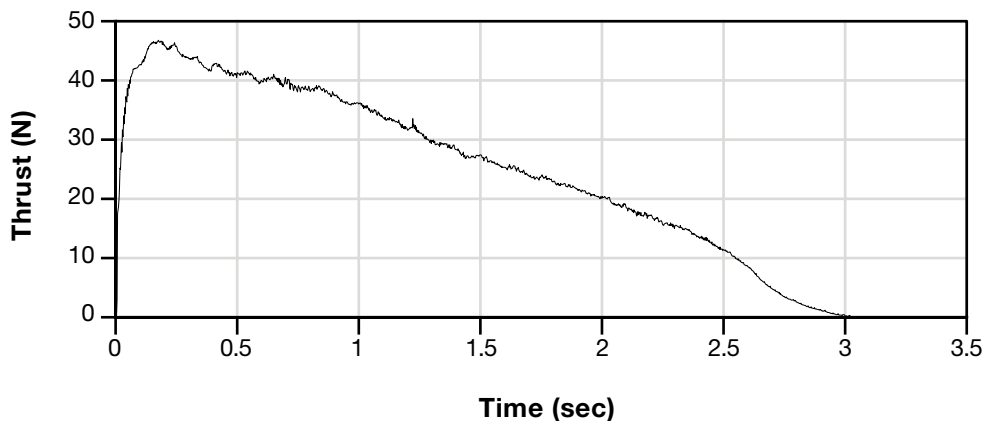
Date Tested: 95-September-3

Total Impulse: 77.92 newton-seconds (σ 1.08)
Peak Thrust: 46.79 newtons (σ 5.83)
Burn Time: 3.05 seconds (σ 0.07)
Average Thrust: 25.55 newtons

Mass After Firing: 43.8 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
4	4.29	89.9 g	680 g
6	6.38	89.4 g	511 g
9	9.30	90.0 g	349 g

TYPICAL THRUST-TIME CURVE



REMARKS

This motor is offered in two propellant formulations. The "White Lightning" propellant is certified for contest use. The "Classic" propellant is not contest certified.



; Aerotech F25 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.

```
F25 29 97 4-6-9 .0356 .0898 A
0.029 29.073
0.071 41.739
0.126 44.040
0.147 46.624
0.175 46.790
0.216 45.752
0.258 46.036
0.320 44.019
0.382 42.003
0.409 43.432
0.513 41.121
0.623 40.544
0.706 39.956
0.823 38.801
0.989 36.196
1.196 31.859
1.223 33.582
1.265 30.704
1.410 28.383
1.589 25.495
1.775 23.175
2.031 19.983
2.217 16.517
2.458 12.180
2.596 8.422
2.693 4.672
2.775 2.650
2.872 0.915
3.050 0.000
```

