

AEROTECH E23

CERTIFIED VALUES

Total Impulse: 37 newton-seconds
Delays: 5, 8 seconds

Propellant Type: Composite
Propellant Mass: 17.4 grams

Casing Dimensions: 29 mm × 124 mm

Certification Date: 98-September-1
Contest Use Date: 98-October-1

Certification Type: Model Rocket

STATIC TEST DATA

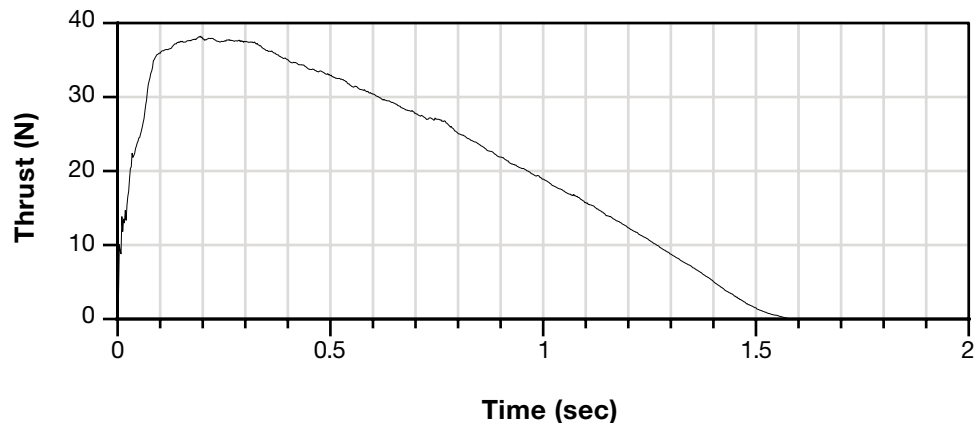
Date Tested: 98-August-29

Total Impulse: 35.32 newton-seconds (σ 0.18)
Peak Thrust: 38.22 newtons (σ 3.53)
Burn Time: 1.57 seconds (σ 0.12)
Average Thrust: 22.50 newtons

Mass After Firing: 79.1 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
5	5.15	103.9 g	
8	8.81	103.8 g	

TYPICAL THRUST-TIME CURVE



REMARKS

Uses AeroTech RMS-29/40-120 Reload System and AeroTech E23 Reload Kit. No substitutions allowed.

; Aerotech E23 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.

E23	29	124	5-8	.0174	.1039	A
0.024	16.299					
0.035	21.959					
0.067	30.785					
0.090	35.774					
0.153	37.577					
0.200	38.220					
0.240	37.357					
0.322	37.577					
0.393	35.093					
0.534	32.378					
0.727	27.168					
0.766	26.938					
0.798	25.125					
0.908	21.729					
1.057	16.980					
1.187	12.682					
1.336	7.471					
1.450	3.169					
1.497	1.584					
1.532	0.679					
1.570	0.000					

