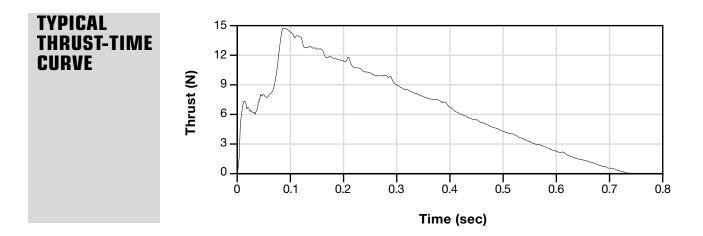
APOGEE B7

CERTIFIED VALUES	Total Impulse: Delays:	5 newton-seconds 4, 6, 8, 10 seconds	
	Propellant Type: Propellant Mass:	Composite 2.8 grams	
	Casing Dimensions:	13 mm \times 50 mm	
	Certification Date: Contest Use Date:		
	Certification Type:	Model Rocket	
STATIC	Date Tested:	95-June-24	
TEST DATA	Total Impulse: Peak Thrust: Burn Time: Average Thrust:	4.97 newton-seconds (σ 0.07) 14.76 newtons (σ 1.09) 0.74 seconds (σ 0.02) 6.72 newtons (σ 1.09)	

Mass After Firing:

4.5 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
4	3.25	8.9 g	140 g
6	4.87	8.9 g	85 g
8	6.68	9.2 g	65 g
10	8.66	9.3 g	45 g



REMARKS

; Apogee B7 RASP.ENG file made from NAR published data

; File produced September 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. B7 13 50 4-6-8-10 .0028 .0091 APO

0.007 5.708 0.013 7.211 0.032 6.111 0.045 8.116 0.056 7.717 0.069 9.020 0.078 12.122 0.087 14.760 0.106 13.832 0.117 13.733 12.636 0.125 0.155 12.438 0.168 11.836 0.200 11.243 0.209 11.737 0.219 10.739 0.266 9.846 0.290 9.849 0.299 8.949 0.367 7.456 0.393 7.159 0.429 5.761 0.487 4.567 0.571 2.975 0.607 2.178 0.669 1.084 0.708 0.489 0.740 0

