## **APOGEE C10**

CERTIFIED VALUES	Total Impulse: Delays:	10.0 newton-seconds 4, 7, 10 seconds	
	Propellant Type: Propellant Mass:	Composite 4.9 grams	
	Casing Dimensions	: 18 mm × 50 mm	
	Certification Date: Contest Use Date:	91-February-10 91-May-11	
	Certification Type:	Model Rocket	
STATIC TEST DATA	Date Tested:	91-February-9	
	Total Impulse: Peak Thrust: Burn Time: Average Thrust:	9.56 newton-seco 25.72 newtons 0.96 seconds 9.96 newtons	onds (σ 0.46) (σ 2.20) (σ 0.07)
	Mass After Firing:	8.1 grams	
	Delay Time Mea	Average sured Delay Initial Mass	Mfg Recommended Max Liftoff Weight
	4	3.95 17.6 g	225 g
	10	9.69 17.6 g	30 g



## REMARKS

; Apogee C10 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. C10 18 50 4-7-10 .0049 .0176 APO

0.010 2.712 0.019 5.842 0.029 17.116 0.037 25.720 0.051 22.535 0.070 20.446 0.106 18.983 0.164 17.085 0.188 17.085 0.200 15.824 0.216 16.036 0.255 15.602 0.293 14.350 0.343 13.503 0.394 12.655 0.410 11.605 0.434 11.605 0.521 9.287 0.631 6.340 0.741 4.021 0.851 2.119 0.911 1.480 1.264 0.945 0.960 0.000

