

KOSDON K700

CERTIFIED VALUES

Total Impulse: 1430 newton-seconds
Delays: 18 seconds

Propellant Type: Composite
Propellant Mass: 682.0 grams

Casing Dimensions: 54 mm × 403 mm

Certification Date: 96-June-30

Certification Type: High Power Rocket

STATIC TEST DATA

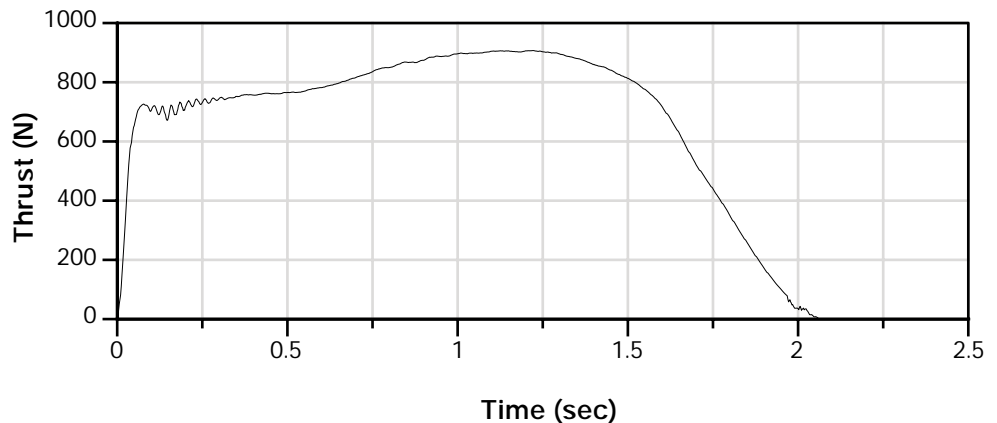
Date Tested: 96-March-17

Total Impulse: 1426.69 newton-seconds (σ 55.15)
Peak Thrust: 905.60 newtons (σ 62.61)
Burn Time: 2.06 seconds (σ 0.11)
Average Thrust: 692.57 newtons

Mass After Firing: 783.8 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
18	18.82	1476.0 g	

TYPICAL THRUST-TIME CURVE



REMARKS

This is a reloadable motor, certified only with the manufacturer specified casing and reload kit. No substitutions allowed.

; Kosdon K700 RASP.ENG file made from NAR published data
; File produced November 1, 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.

K700	54	403	18	0.6820	1.4760	K
0.024	272.801					
0.036	600.063					
0.078	722.823					
0.144	695.543					
0.245	736.464					
0.383	756.973					
0.502	763.744					
0.586	777.384					
0.724	818.304					
0.879	866.094					
1.029	893.374					
1.160	905.600					
1.262	900.144					
1.388	866.094					
1.501	811.534					
1.591	736.464					
1.651	634.213					
1.717	504.582					
1.812	334.131					
1.914	163.680					
1.998	40.920					
2.016	54.550					
2.045	27.280					
2.060	0.000					

