

KOSDON I150

CERTIFIED VALUES

Total Impulse: 640 newton-seconds
Delays: 6 seconds

Propellant Type: Composite
Propellant Mass: 339.0 grams

Casing Dimensions: 54 mm × 250 mm

Certification Date: 96-June-30

Certification Type: High Power Rocket

STATIC TEST DATA

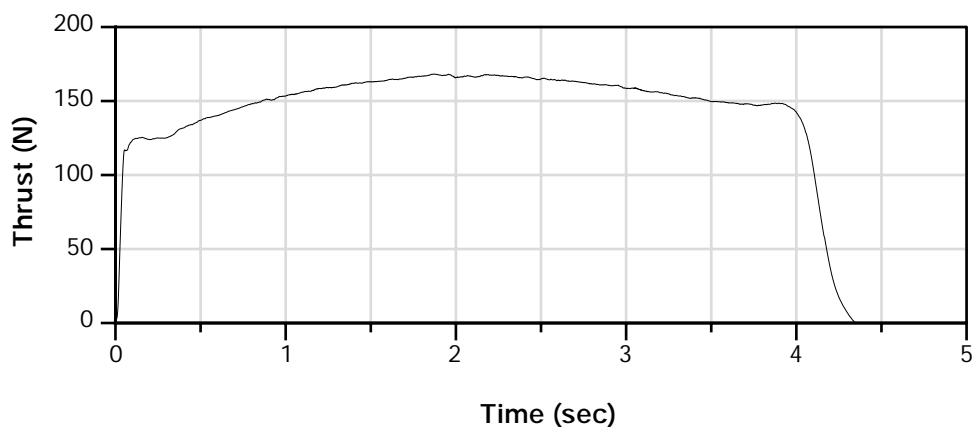
Date Tested: 96-March-17

Total Impulse: 632.37 newton-seconds (σ 9.76)
Peak Thrust: 168.26 newtons (σ 2.86)
Burn Time: 4.35 seconds (σ 0.09)
Average Thrust: 145.37 newtons

Mass After Firing: 568.0 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
6	6.10	913.0 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 I150 RASP.ENG file made from NAR published data
; File produced November 1, 2000
; The total impulse, peak thrust and 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.

I150 54 250 6 .3390 .9130 K
0.037 75.140
0.061 117.498
0.156 125.689
0.261 122.959
0.450 133.778
0.827 146.014
1.250 159.563
1.533 163.507
1.815 167.552
2.086 168.260
2.309 167.451
2.650 164.619
3.027 159.058
3.309 153.496
3.532 149.350
3.791 146.519
3.944 149.249
4.015 141.059
4.073 125.992
4.108 104.050
4.143 76.758
4.178 52.146
4.236 22.074
4.294 7.025
4.350 0.000

