

KOSDON H135

CERTIFIED VALUES

Total Impulse: 240 newton-seconds
Delays: 11 seconds

Propellant Type: Composite
Propellant Mass: 112.0 grams

Casing Dimensions: 29 mm × 291 mm

Certification Date: 96-June-30

Certification Type: High Power Rocket

STATIC TEST DATA

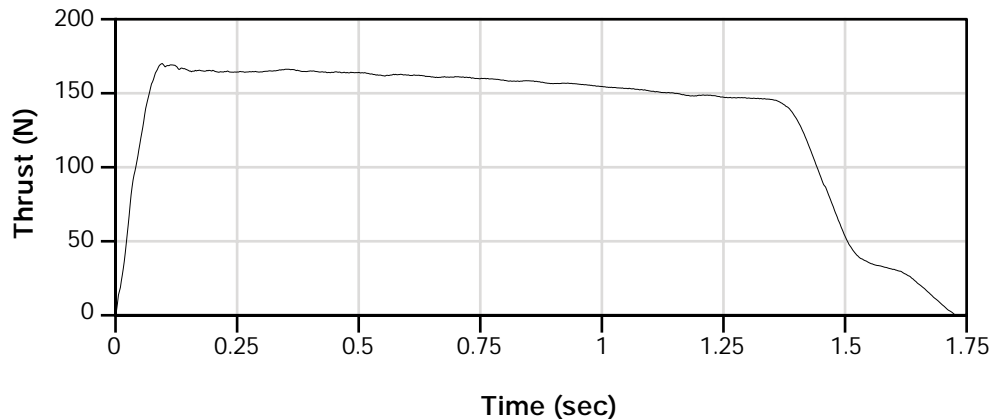
Date Tested: 96-March-17

Total Impulse: 231.13 newton-seconds (σ 1.04)
Peak Thrust: 170.09 newtons (σ 2.82)
Burn Time: 1.73 seconds (σ 0.07)
Average Thrust: 133.60 newtons

Mass After Firing: 163.0 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
11	10.54	281.0 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 H135 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.

Time (Sec)	Thrust (N)
0.020	49.530
0.041	99.070
0.066	145.918
0.098	170.090
0.131	165.965
0.250	164.669
0.320	164.669
0.406	164.669
0.504	163.372
0.648	160.679
0.787	159.283
0.885	156.590
1.004	155.293
1.102	151.304
1.234	148.611
1.332	145.918
1.369	143.225
1.389	137.939
1.410	128.563
1.434	107.119
1.467	80.329
1.504	52.213
1.529	40.164
1.574	32.125
1.619	29.452
1.660	18.740
1.693	9.371
1.730	0.000

