

KOSDON J275

CERTIFIED VALUES

Total Impulse: 1150 newton-seconds
Delays: 6.5 seconds

Propellant Type: Composite
Propellant Mass: 625.0 grams

Casing Dimensions: 75 mm × 244 mm

Certification Date: 98-August-5

Certification Type: High Power Rocket

STATIC TEST DATA

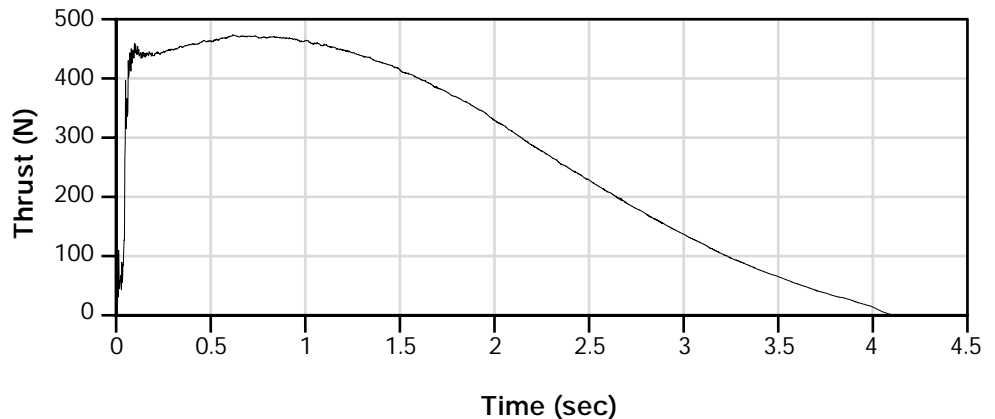
Date Tested: 98-July-18

Total Impulse: 1146.62 newton-seconds (σ 4.85)
Peak Thrust: 473.80 newtons (σ 19.48)
Burn Time: 4.11 seconds (σ 0.08)
Average Thrust: 278.98 newtons

Mass After Firing: 1412.0 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
6.5	6.11	2056.0 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 J275 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.

J275 75 244 6.5 .6250 2.0560 K
 0.033 61.724
 0.055 202.341
 0.078 356.701
 0.089 425.317
 0.111 459.575
 0.165 438.940
 0.283 445.752
 0.477 462.780
 0.660 473.800
 0.897 469.291
 1.145 455.368
 1.489 417.404
 1.758 376.034
 2.016 327.752
 2.338 262.342
 2.682 193.526
 3.058 131.421
 3.392 79.744
 3.736 38.314
 3.940 21.005
 4.110 0.000

