

KOSDON H70

CERTIFIED VALUES

Total Impulse: 180 newton-seconds
Delays: P seconds

Propellant Type: Composite
Propellant Mass: 81.7 grams

Casing Dimensions: 29 mm × 291 mm

Certification Date: 96-June-30

Certification Type: High Power Rocket

STATIC TEST DATA

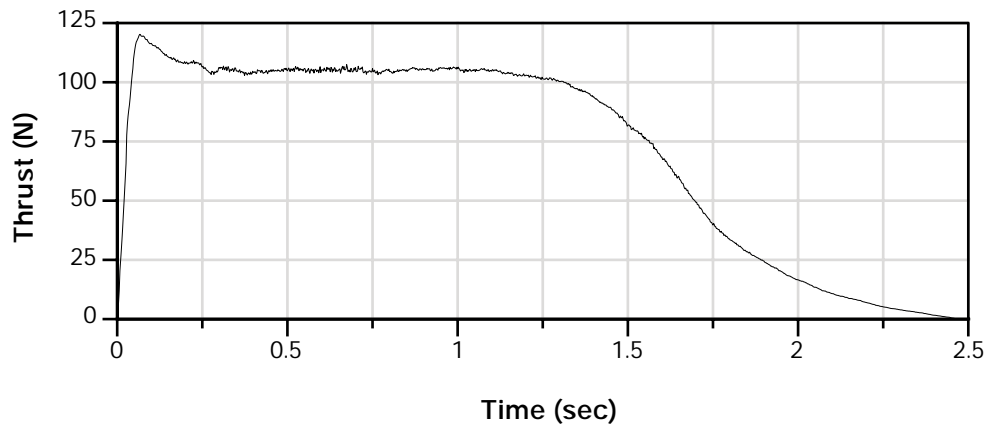
Date Tested: 96-March-17

Total Impulse: 179.53 newton-seconds (σ 2.85)
Peak Thrust: 120.21 newtons (σ 12.49)
Burn Time: 2.45 seconds (σ 0.31)
Average Thrust: 73.28 newtons

Mass After Firing: 168.3 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
5	None	250.0 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 H70 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.

H70 29 291 P .0817 .2500 K
 0.024 50.619
 0.042 101.218
 0.065 120.210
 0.131 113.244
 0.208 108.133
 0.249 107.231
 0.273 103.824
 0.315 105.527
 0.368 104.726
 0.463 104.726
 0.606 105.527
 0.754 104.726
 0.920 105.527
 0.992 106.429
 1.051 104.726
 1.099 106.429
 1.182 103.824
 1.283 101.218
 1.378 96.097
 1.490 83.229
 1.609 66.924
 1.692 50.619
 1.752 40.327
 1.847 29.173
 1.977 18.018
 2.150 8.580
 2.251 5.148
 2.322 3.432
 2.399 1.715
 2.450 0.000

