

# KOSDON G75

## CERTIFIED VALUES

Total Impulse: 150 newton-seconds  
Delays: 7 seconds

Propellant Type: Composite  
Propellant Mass: 67.5 grams

Casing Dimensions: 29 mm × 206 mm

Certification Date: 96-June-30

Certification Type: High Power Rocket

## STATIC TEST DATA

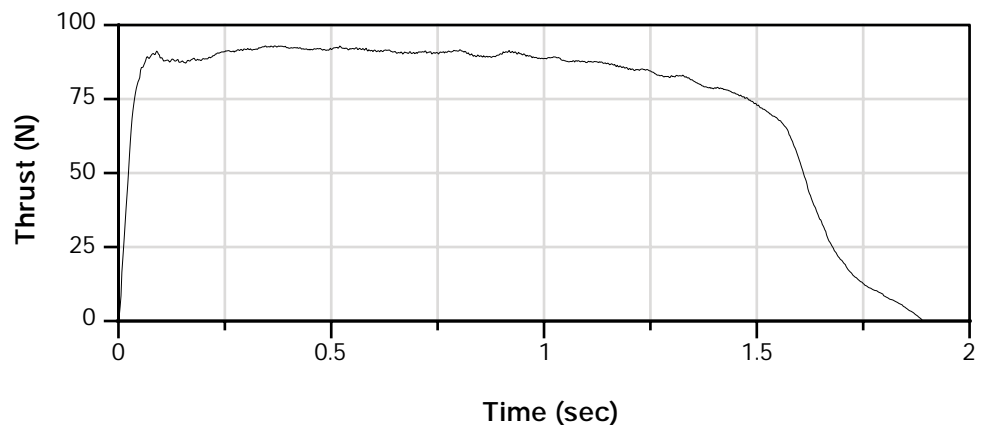
Date Tested: 96-March-17

Total Impulse: 142.11 newton-seconds ( $\sigma$  2.05)  
Peak Thrust: 92.93 newtons ( $\sigma$  4.87)  
Burn Time: 1.89 seconds ( $\sigma$  0.09)  
Average Thrust: 75.19 newtons

Mass After Firing: 121.6 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
7	7.49	194.0 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 G75 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.

```
G75 29 206 7 .0675 .1940 K
0.019 50.162
0.033 75.243
0.052 85.406
0.085 90.834
0.128 88.125
0.194 88.125
0.246 90.834
0.421 92.930
0.591 91.506
0.780 90.834
0.842 89.479
0.889 89.479
0.922 90.834
0.993 88.797
1.111 87.443
1.210 84.734
1.277 82.697
1.333 82.697
1.385 78.634
1.423 78.634
1.480 74.561
1.546 68.461
1.593 55.580
1.631 39.317
1.664 27.790
1.712 17.627
1.754 12.199
1.816 7.456
1.853 4.067
1.890 0.000
```

