

# KOSDON J230

## CERTIFIED VALUES

Total Impulse: 950 newton-seconds  
Delays: 8 seconds

Propellant Type: Composite  
Propellant Mass: 500.8 grams

Casing Dimensions: 54 mm × 326 mm

Certification Date: 96-June-30

Certification Type: High Power Rocket

## STATIC TEST DATA

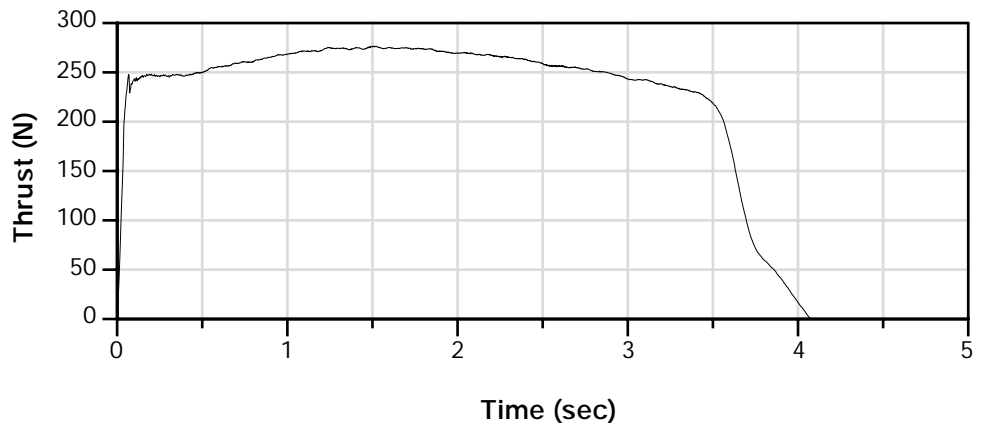
Date Tested: 96-March-17

Total Impulse: 945.89 newton-seconds ( $\sigma$  7.46)  
Peak Thrust: 276.72 newtons ( $\sigma$  6.47)  
Burn Time: 4.08 seconds ( $\sigma$  0.03)  
Average Thrust: 231.84 newtons

Mass After Firing: 662.2 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
8	7.98	1169.0 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 J230 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.

Time (Sec)	Thrust (N)
J230	54
	326
	8
	.5008
	1.1690
	K
0.026	146.964
0.039	214.239
0.076	239.367
0.161	247.777
0.306	247.677
0.488	249.679
0.754	260.090
0.948	268.400
1.227	274.607
1.590	276.720
1.905	270.102
2.195	267.899
2.498	259.390
2.643	252.982
2.824	248.778
3.115	242.270
3.369	229.656
3.478	221.147
3.550	204.328
3.610	170.690
3.658	126.541
3.718	82.442
3.790	61.418
3.899	40.365
3.983	17.229
4.080	0.000

