















VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC10-15-023-1X	
Stroke	1.0"	25.4 mm
Encoder Resolution	1.0 micron	
Encoder Type	Magetic	
Bearing Type	Crossed Roller	
Moving Part	Coil Assembly	
Moving Mass	0.75 lbs	340 grams
Total Mass	6.0 lbs	2722 grams
Resistance @ 20C	7.5 ohms	
Inductance @ 20C	3.3 mH	
Electrical Time Constant	0.44 msec	
Motor Constant	0.85 LBS/SQRT(Watt)	3.8 N/SQRT(Watt)
Force Constant	2.3 lbs/Amp	10.2 N/Amp
Back EMF	0.26 V/ips	10.2 V/m/sec
Force @ 100% Duty	2.3 lbs	10.2 N
Power @ 100% Duty	7.0 watts	
Current @ 100% Duty	1.0 Amps	
Force @ 10% Duty	6.9 lbs	30.7 N
Power @ 10% Duty	66 watts	
Current @ 10% Duty	3.0 Amps	

## NOTES:

- Electrical specs are per individual moving motor axis
  Moving Mass spec is per individual moving motor axis
  Total stage Mass is for entire positioning stage

