



GOLD BEE

World's smallest most powerful servo drive for Harsh Environments

The Gold Bee is the smallest, high-powered servo drive on the market today. It is designed to operate under extreme environmental conditions, whether in extended temperatures, high altitudes, high mechanical shocks or intensive vibrations. Weighing just around 20grams and less than 13 cm³ in volume, the Gold Bee is the ideal servo drive to be mounted anywhere; right on the motor, on moving axes, in drones, or within robotic joints.

Its unparalleled power density is possible due to Elmo's proprietary and innovative Fast and Soft Power Switching Technology (FASST), resulting in over 99% efficiency and negligible EMI.



Operates in extreme temperatures
-40°C to +70°C
(-40°F to +160°F)



Operates in altitudes
-400m to 12,000m
(-1,312 to 39,370 feet)



Operates under mechanical shock or intensive vibrations
up to 2000Hz, up to 14grms

*** The Gold Bee has successfully passed the HALT test for accelerated temperature and intensive vibration, still runs at -75°C to +110°C and up to 30grms*



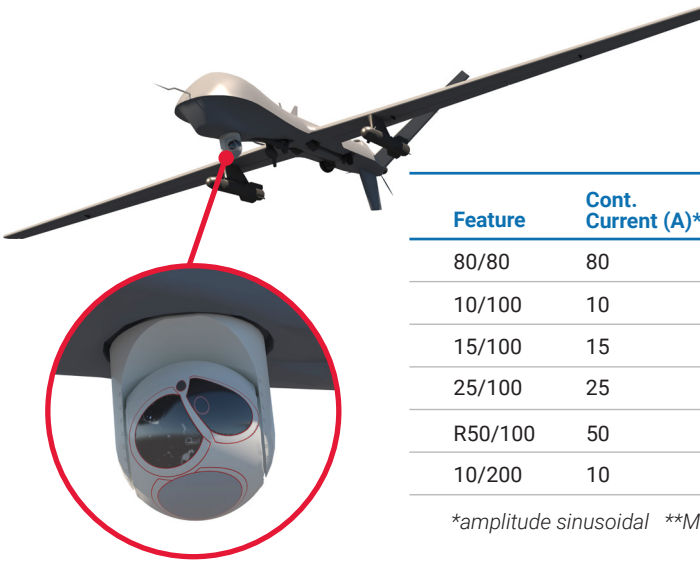
World's highest power-density servo drive



Ultra-High Current



Supply voltage



Feature	Cont. Current (A)*	Max DC (V)	Max. Cont. power (W)
80/80	80	80	>5000
10/100	10	100	805
15/100	15	100	1210
25/100	25	100	2015
R50/100	50	100	4000
10/200	10	200	1650

*amplitude sinusoidal **More versions available



UGV
Traction & Steering Control



Airborne
Inertial Platform Stabilization



Underwater
ROV Thruster



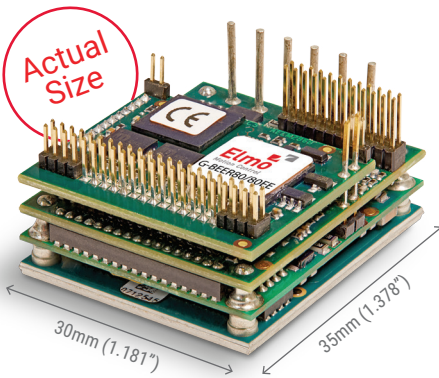
Camera & Laser Pod
Tracking



Robotics
Mobile Surveillance Robotics



Missile
Guidance Control



In accordance with all safety requirements as per UL 61800-5-1



World's Smallest STO (SIL-3) certified servo



Advanced Networking



Movie



Website



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