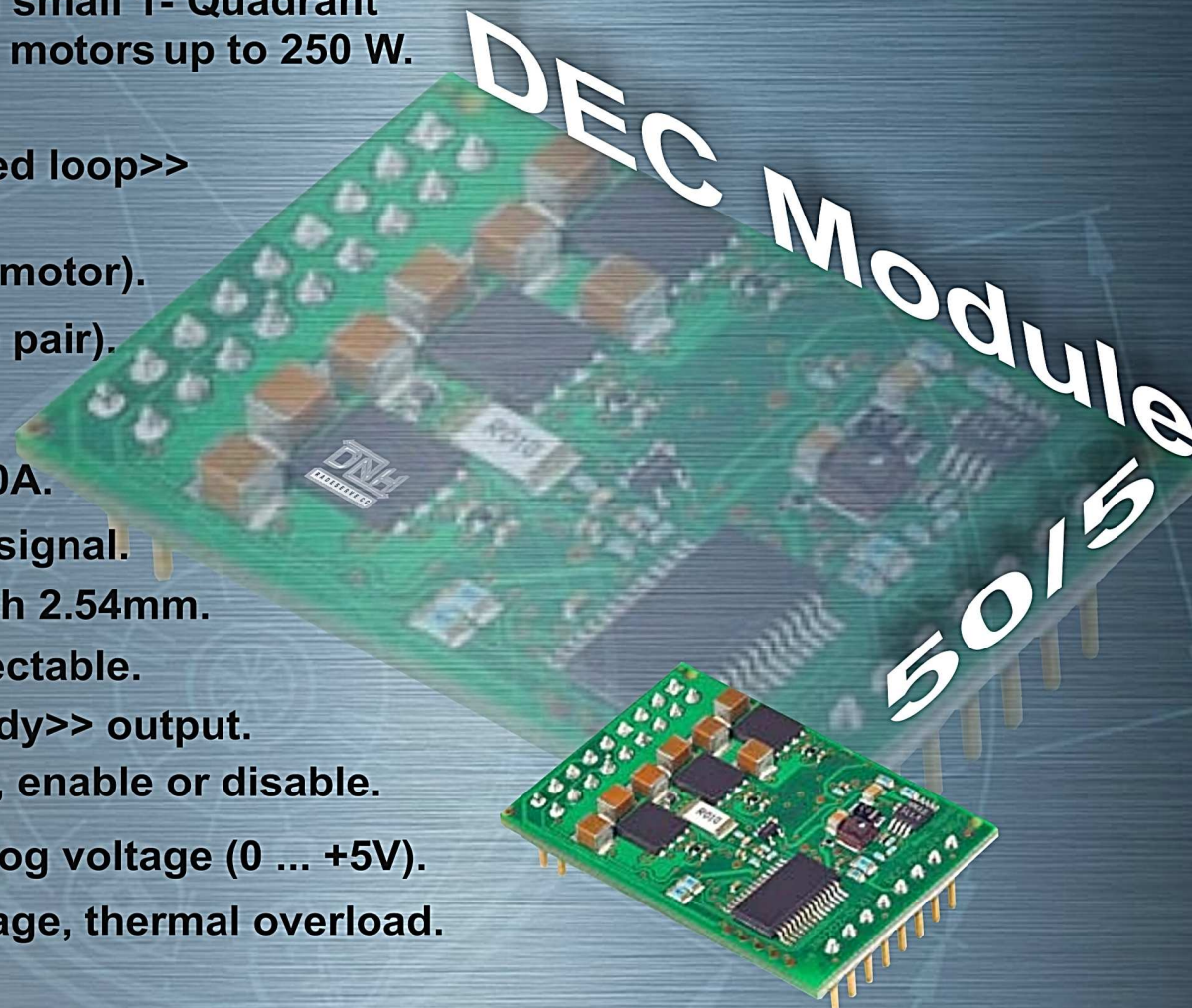


The DEC Module 50/5 (Digital EC Controller) is a small 1- Quadrant digital controller for the control of brushless DC motors up to 250 W.

- * Digital control over speed, operates as <<closed loop>> or as <<open loop>>.
- * Blockage protection (current limit for blocked motor).
- * Maximum speed 80 000 rpm (motor with 1 pole pair).
- * Monitor motor speed <<Monitor n>> output.
 - * Adjustable output current, Maximum of >10A.
 - * Directional rotation preset by a digital signal.
 - * Standardized connector strip, pitch 2.54mm.
 - * 3 various speed ranges, selectable.
 - * Status indication <<Ready>> output.
 - * Output stage option, enable or disable.
 - * Set value input through external analog voltage (0 ... +5V).
 - * Protection functions: under/overvoltage, thermal overload.



Thanks to the wide input power supply range, 6-50V Dc (optional 5V operation possible), the DEC module 50/5 is very versatile and can be used with various power supplies. A sturdy PI speed controller design is an ideal premise for immediate operation. the well-priced and miniaturized OEM module seamlessly integrates into applications. Now the customer can fully focus on developing their own device while being able to make use of the maxon motor's vast drive