

High Torque DC Motor

pro-ELEC

RoHS
Compliant



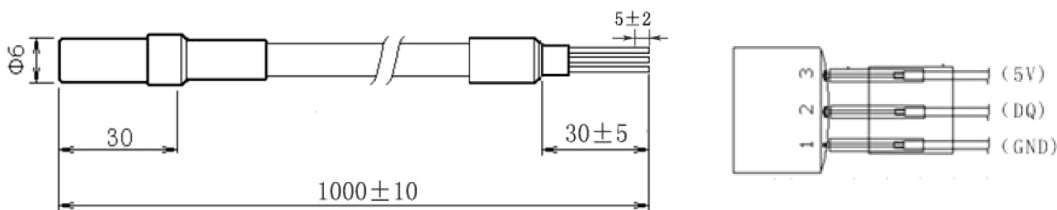
Overview

A 3 pole DC motor suitable for industrial, automotive or marine applications

Specifications

Nominal Voltage	: 7V (operating range 6V - 12V)
Load Speed	: 20400 RPM ($\pm 12\%$)
Load Current	: 1.8A (maximum)
Speed at Maximum Efficiency	: 19,500 RPM ($\pm 10\%$)
Current at Maximum Efficiency	: 4.7A
Torque	: 261g-cm
Output	: 47W
Insulation Resistance Test	: DC 500V >100M Ω
Stall Torque	: 1850g-cm
Motor dimensions	: 50 \times 35.8mm (L \times \varnothing)
Shaft dimensions	: 9 \times 3.2mm (L \times \varnothing)

Diagram



Part Number Table

Description	Part Number
High Torque DC Motor, 6V to 12V, 19,500RPM	PEL00883

Dimensions : Millimetres

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-ELEC is the registered trademark of Premier Farnell Limited 2019.

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

pro-ELEC