SP60-2000

■ FEATURES

- Stteping actuators with built-in sensor
- Provided with connector terminals for easy connection
- 2.25° micro step at 2 phase exciting
- Axis constructure for easy installation of display



APPLICATIONS

- Game machines
- Indicators

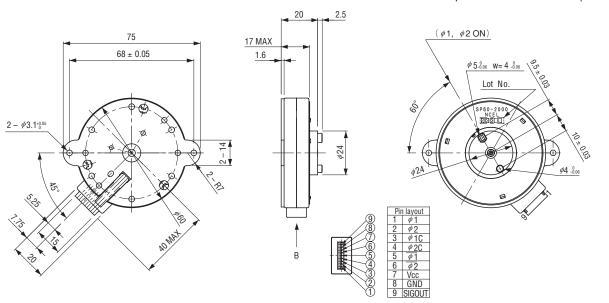
■ PART NUMBER DESIGNATION

<u>SP60</u> - <u>2000</u>

Series name Dash number

■ OUTLINE DIMENSIONS (Reference)

Unless otherwise specified tolerance: ± 0.5 (Unit: mm)



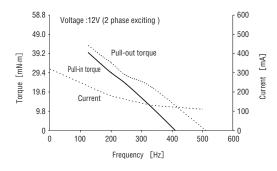
Lot production is required. Please consult us for ordering.

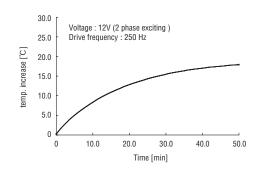
■ REFERENCE SPECIFICATIONS

Item	SP60-2000
Number of phases/Excitation	4 / 2 phases unipolar
Basic step angle	2.25° (2 phases exciting) 1.125° (1-2 phases exciting)
Number of phases	160 (2 phases exciting) 320 (1-2 phases exciting)
Winding resistance	73Ω (±10%)
Inductance	46mH(Reference value)
Input rating	Average power consumption 3W maximum
Current, Pull-in torque, Pull-out torque	Refer to PERFORMANCE CURVES
Pull-in pulse rate,Maximum continuous response frequency, Temperature	
Insulation class	Туре Е
Insulation resistance	30MΩ minimum (DC 500V)
Dielectric strength	AC 600V 1 second Leakage current 1mA maximam
Net weight	160g
Connector terminal	Male connector $09ZR-8M-P$ or $ZHR-9$ (white) Made by J.S.T.Mfg.Co.,Ltd Pin No. 1 ϕ 1 6 $\overline{\phi}$ 2 ϕ 10 \bullet 1 \bullet 1 \bullet 3 \bullet 10 8 GND 4 \bullet 2C 9 SIGOUT 5 $\overline{\phi}$ 1 \bullet 3 \bullet 5 \bullet 6 \bullet 5 \bullet 6 \bullet 7 \bullet 8 \bullet 6 \bullet 7 \bullet 8 \bullet 9 \bullet 9 Sigout

PERFORMANCE CURVES

■ TEMPERATURE CHARACTERISTICS





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