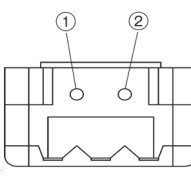




# SPR27-1000

## STEPPING MOTORS

### STANDARD SPECIFICATIONS

Item	SPR27-1000	Remarks															
Number of phases	1	1 phase bipolar															
Number of poles	4																
Operating angle	40°																
Winding resistance	50 Ω																
Power	Average power consumption 3 W maximum																
Torque	0.784 mN·m minimum	at12V 2Hz															
Rotor inertia	2 gf · cm <sup>2</sup>																
Insulation class	Type A	JIS C4003															
Insulation resistance	30Ω minimum	DC500V															
Dielectric strength	No breakdown	Leakage current 1 mA maximum															
Operating temperature range	0 ~ 50°C																
Operating humidity	Relative humidity 10 ~ 90%	No condensation															
Storage temp.	-10 ~ 60°C																
Storage humidity	Relative humidity 5 ~ 95%	No condensation															
Vibration	No breakdown	Amplitude 2mm 10~55 Hz 30 min each for X, Y, Z, directions.															
Shock	588 m/s <sup>2</sup>	1 time each for X, Y, Z, directions.															
Standard connector terminal	<p style="text-align: center;">Male connector 02DR Series Made by J.S.T. Mfg. Co., Ltd</p> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Axial direction</p>  </div> <table border="1" style="margin-right: 20px;"> <thead> <tr> <th colspan="2">Pin No.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">φ 1</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">φ 2</td> </tr> </tbody> </table> <table border="1"> <tbody> <tr> <td></td> <td style="text-align: center;">φ 1</td> <td style="text-align: center;">φ 2</td> </tr> <tr> <td style="text-align: center;">CW</td> <td style="text-align: center;">+</td> <td style="text-align: center;">-</td> </tr> <tr> <td style="text-align: center;">CCW</td> <td style="text-align: center;">-</td> <td style="text-align: center;">+</td> </tr> </tbody> </table> </div>		Pin No.		1	φ 1	2	φ 2		φ 1	φ 2	CW	+	-	CCW	-	+
Pin No.																	
1	φ 1																
2	φ 2																
	φ 1	φ 2															
CW	+	-															
CCW	-	+															

The rotation direction is defined as viewed from the output shaft.