

SS2B003 for 2-phase bi-polar stepping

• Features

- Stepping motors can be driven at their top performance thanks to the constant current control of PWM mode.
- This is a model that was designed specifically with high reliability in mind for mounting on an automobile. This can stand operation in the temperature from -30 to 80 degrees C.
- Also capable of micro-step driving.
- Can be driven at $1.5A$ /phase output current.

• Absolute maximum rating

Item	Terminal	Unit	Specs.
Power supply voltage (for motor)	+Vs	V	+40
- ditto - (for logic)	+Vcc	V	+18
Output current	Ao - Bo	A/ phase	± 2.0
Junction temperature	-	$^{\circ}C$	+150
Storage temperature	-	$^{\circ}C$	$-40 \sim +125$
Operating case temp	-	$^{\circ}C$	+80

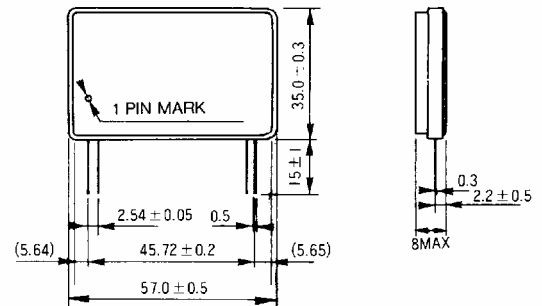
• Operating characteristics

Item	Terminal	Unit	Specs.	
			Min.	Max.
Power supply voltage (for motor)	+Vs	V	Vcc	+35
- ditto - (for logic)	+Vcc	V	+4.5	+5.5
Output current	Ao - Bo	A/phase	-	± 1.5
Output loss voltage	-	V	-	3.6
Phase switching signal	Ai - Bi	V	L	0
			H	+3.0
				Vcc

• Description of terminals

Terminal code	Term. No.	Description
V _{SA} , V _{SB}	4,16	Motor drive power terminals
Vcc	11	Logic power supply terminals
Ai, \bar{A} i, Bi, \bar{B} i	8,6,12,14	Phase switching signal terminals
\bar{A} o, Ao, Bo, \bar{B} o	1,2,19,18	Motor output terminals
VrefA, VrefB	7,13	Reference voltage terminals
R _{SA} , R _{SB}	5,15	Current sensing resistor terminals
G _A , G _B	3,17	Power grounding terminals
G _A , G _B	9,10	Signal grounding terminals

• Dimensions (mm)



• An example of connection

