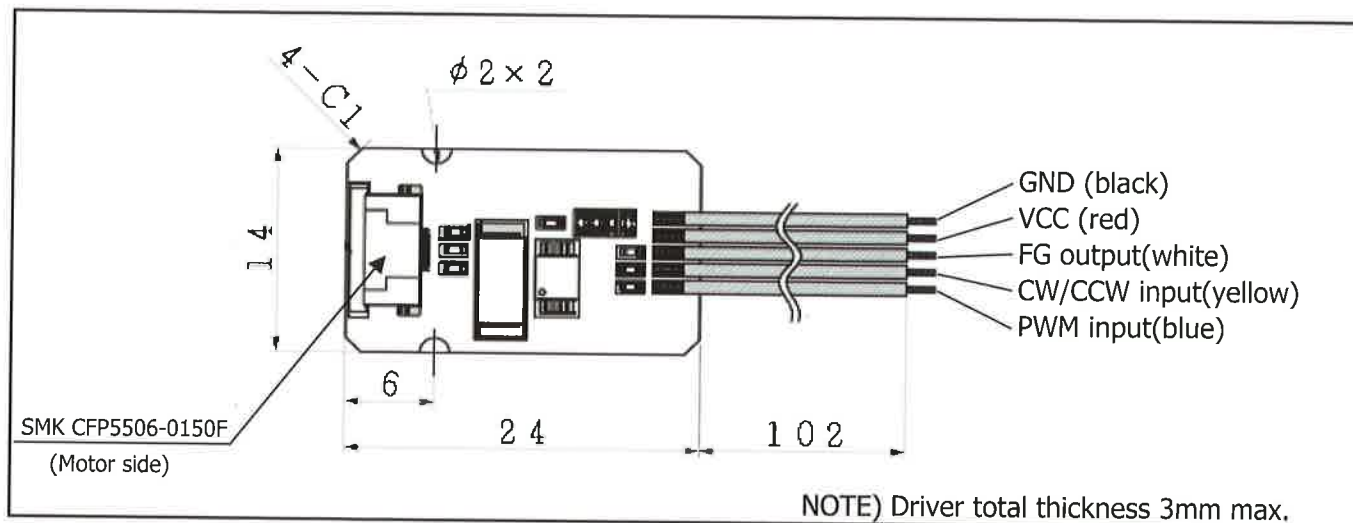


SSD06-R5A

Sensorless brushless motor drive circuit



For Micro DC brushless motors SBL04-08 and SBL07-12

Description

SSD06-R5A is a 3-phase sensorless drive circuit designed to operate brushless motor SBL04-08 and SBL07-12 exclusively.

FG (Frequency Generator) output provides a pulse per motor revolution.

Rotation direction input (CW/CCW input) is different by selected motors.

Following specifications indicate the case of installing SBL04-0829 series, and SBL07-1218 series is the opposite to this installation.

Specifications

	SSD06-R5A			
	Min.	Typ.	Max.	
Voltage supply : VCC	1.8	3.0	5.5	V
Consumption current		5	10	mA
Output current			0.5	A
Rotation direction input: Forward voltage level (Low)	0.0		0.5	V
Rotation direction input: Reverse voltage level (High or Open)	VCC - 0.5		VCC	V
PWM duty control pulse input : Frequency	20		50	kHz
PWM duty control pulse input : Low voltage level	0.0		0.5	V
PWM duty control pulse input : High voltage level	VCC/2		VCC	V
FG pulse output : Low voltage level	0.0		0.4	V
FG pulse output : High voltage level			VCC	V
Operating temperature range	-20 ... +75			°C
Weight	1.1			g