

Micro Blower's Line up



TF037C-2000-F



TF037C-2100-F



TF037E-2000-F



TF037F-2000-F



TF029B-1000-F

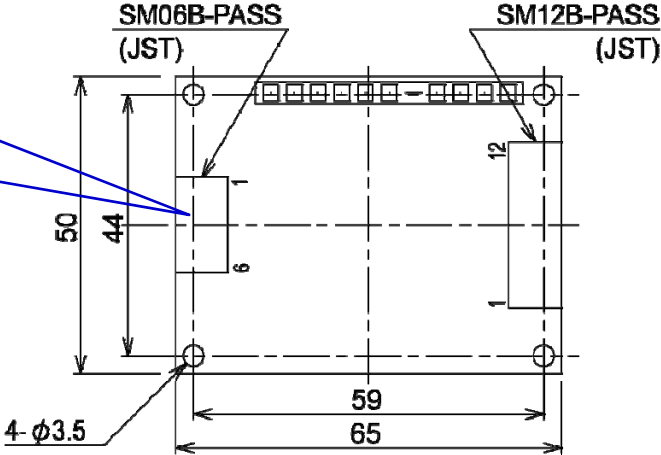
TF037 / TF029B Driver Specifications and Outline Dimensions

Drivers enable the ability to vary the driving speed of motor by the control voltage of external input. It has various protective functions.

(UNIT: mm)

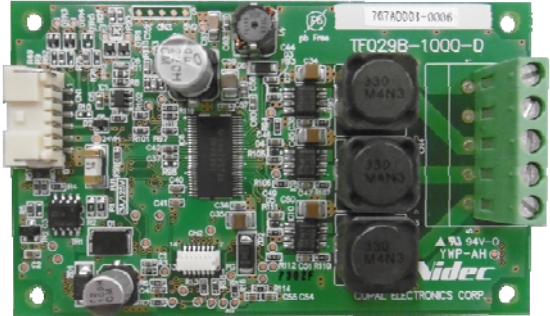
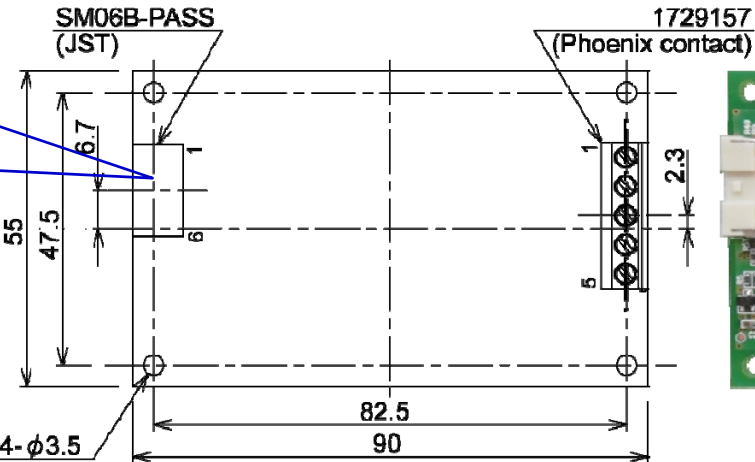
Driver for TF037

Power side		
Terminal No.	Terminal name	Implication
1	Error	Error output
2	FG	Signal output of rotation frequency (FG)
3	BR	Input of short brake signal
4	CNT	Control voltage
5	Vcc	Input of power-supply voltage
6	GND	GND



Driver for TF029B

Power side		
Terminal No.	Terminal name	Implication
1	Error	Error output
2	FG	Signal output of rotation frequency (FG)
3	N.C	Non-usuable
4	CNT	Control voltage input
5	VIN	Input of power-supply voltage
6	GND	GND



Development Support Kit for Micro Blowers

A Micro Blower, a driver and wires in the kit for quick sample evaluation helps customers shorten their period of development.

▪ **TF037C-2100-P**



List of the kit "TF037C-2100-P"	
1	Micro Blower (TF037C-2100-F)
2	Driver (TF037 series common)
3	Wire Harness (for Driver-Blower connection)
4	Wire Harness (for Driver-Power connection)

▪ **TF037F-2000-P**



List of the kit "TF037F-2000-P"	
1	Micro Blower (TF037F-2000-F)
2	Driver (TF037 series common)
3	Wire Harness (for Driver-Blower connection)
4	Wire Harness (for Driver-Power connection)

▪ **TF029B-1000-P**



List of the kit "TF029B-1000-P"	
1	Micro Blower (TF029B-1000-F)
2	Driver (for TF029B)
3	Wire Harness (for Driver-Power connection)

* Wire Harness for driver connection is not included because it is connected to Micro Blower directly.

TF037 / TF029B Blower Specifications

No.	Item	Part No.	TF037C-2100-F (TF-037C-2000-F)	TF037E-2000-F	TF037F-2000-F	TF029B-1000-F
1	Rated Voltage		24 V DC \pm 10 %	24 V DC \pm 10 %	12 ~ 24 V DC	12 ~ 27 V DC
2	Rated Power Supply Current		1.2 A Max.	0.86 A Max.	0.67 A Max.	0.62 A Max.
3	Rated Power Consumption		29 W Max.	22.7 W Max.	16.1 W Max.	14.9 W Max.
4	Rated Rotation Speed		40,000 r/min (reference)	35,500 r/min (reference)	31,000 r/min (reference)	36,000 r/min (reference)
5	Rated Air Flow		100 L/min	100 L/min	100 L/min	100 L/min
6	Rated Pressure		4 kPa	3 kPa	2 kPa	2 kPa
7	Maximum Rotation Speed		45,000 r/min	45,000 r/min	45,000 r/min	50,000 r/min
8	Maximum Pressure		4.5 kPa	4.5 kPa	4.5 kPa	3.5 kPa
9	Acoustic Audible Noise		67.0 dB(A) Max.	65.0 dB(A) Max.	65.0 dB(A) Max.	65.0 dB(A) Max.
10	Weight		2100-F: 94 g (2000-F: 90 g)	165 g	72 g	55 g
11	Remarks		Material: Resin in full compliance with UL94 V0		Material: Resin in full compliance with FDA standards	