

●Setting of Output Current and Chopping Frequency

Fig.1 shows constant current chopping wave form.

Output Current setting

$$I_o(100\%) = \frac{V_r}{10 \cdot R_s} - 0.015$$

Chopping Frequency Setting

$$f = \frac{1}{0.72 \cdot C_t \cdot R_t}$$

●True Table

IN 1 or 4	IN 2 or 3	Out 1 or 4	Out 2 or 3
L	L	OFF	OFF
L	H	L	H
H	L	H	L
H	H	OFF	OFF

●True Table for Current Chopping Level

I _o	I ₁	Current Level (%)	V _{ref} (V) (V _r =5V)
L	L	100	0.5±5%
H	L	70	0.35±8%
L	H	33	0.17±10%
H	H	0	

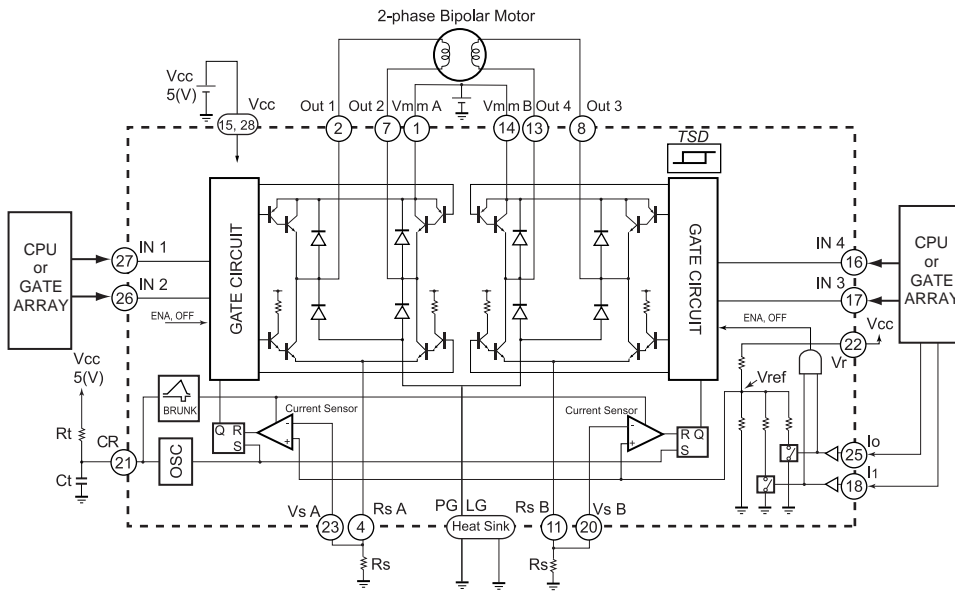
●Recommended Parts Value

Symbol	Recommended Value	Unit
R _s	0.68	Ω
R _t	18	kΩ
C _t	3300	pF
V _r	V _{cc}	V

●Recommended Operating Conditions (T_a=25°C)

Item	Symbol	min.	typ.	max.	Unit
Motor Supply Voltage	V _{mm}			27	V
Output Current	I _o			0.8	A
Logic Supply Voltage	V _{cc}	4.75		5.25	V
Chopping Frequency	f _{chop}		20		kHz
Operating Temperature	T _{op}	-25		120	°C

Equivalent Circuit / Basic Application Circuit



Pin Assignment

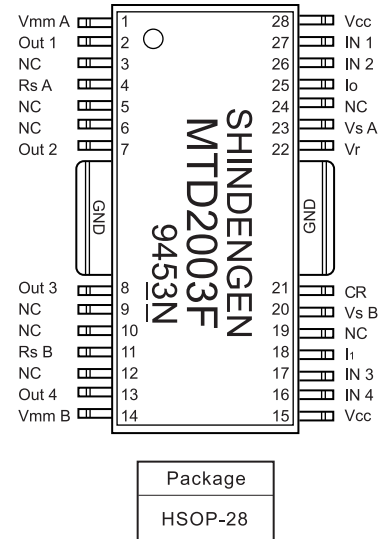


Fig.1 Constant current wave form (Motor current)

