LT205A (under development)

GaAs Hall IC for Fan Motor with Variable Speed by Temperature

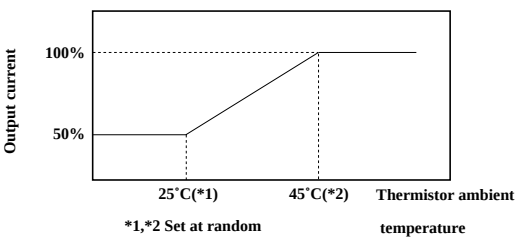
■ Features

- Space saving mounting due to combining a Hall device and a driver IC in a small 12-pin SOP package
- Wind control depending on calorific value
- Low noise
- With automatic reset and alarm output function when a motor is locked
- Surface mount type (Taping: 1,000 pcs/reel)

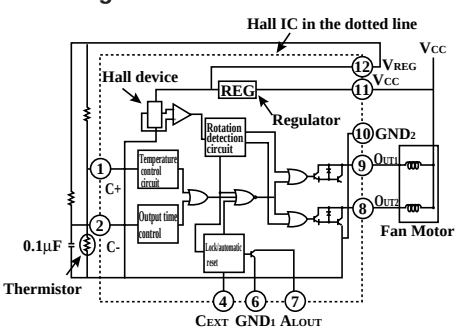
■ Applications

- Brushless fan motor
- Cooling fan motor for personal computers,word processors, etc.
- Directly cooling fan for cooling fin, PCB, etc.

■ Motor drive current vs. temperature (Example)

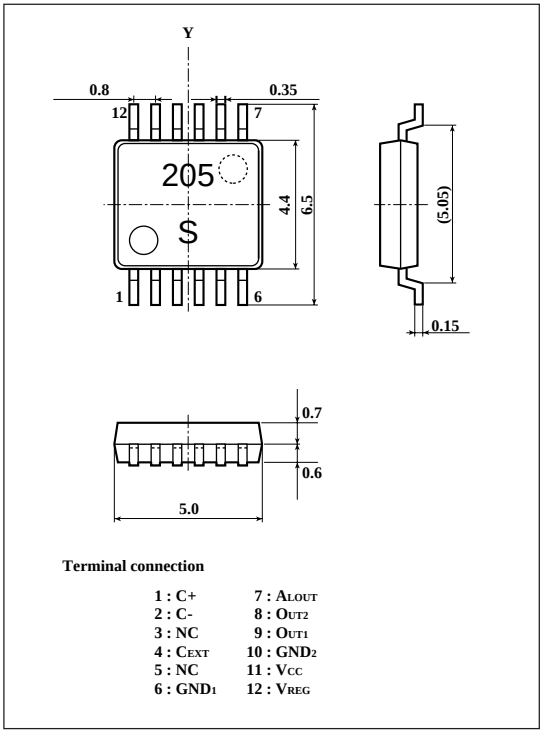


■ Block diagram



■ Outline Dimentions

(Unit : Fmm)



Terminal connection

1 : C+	7 : ALOUT
2 : C-	8 : OUT2
3 : NC	9 : OUT1
4 : CEXT	10 : GND2
5 : NC	11 : VCC
6 : GND1	12 : VREG

As for dimensions of tape-packaged products, refer to page 44 .

■ Electrical Characteristics

(Ta=25˚C)

Parameter	Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Operating supply voltage	VCC		8	-	28	V
Output current	IOUT		-	-	(0.5)	A
Output saturation voltage	VOUT	VCC=12V, IO=0.5A	-	-	(1.5)	V
Output cut-off current	IOC	VO=55V	-	-	30	μA
Operating magnetic flux density	B1		-10	-	-	mT
	B2		-	-	10	mT