

LT205A (under development)

GaAs Hall IC for Fan Motor with Variable Speed by Temperature

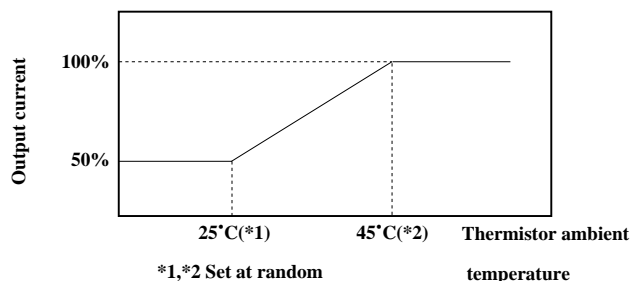
■ Features

- 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)

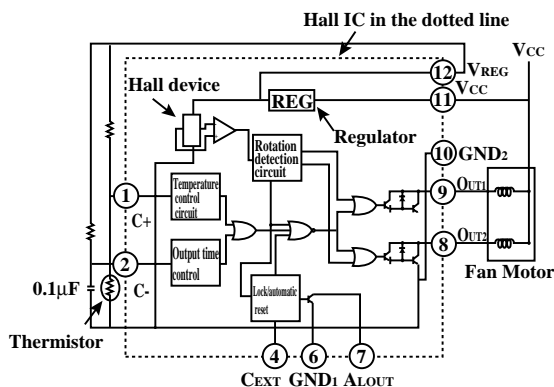
■ Applications

- 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)

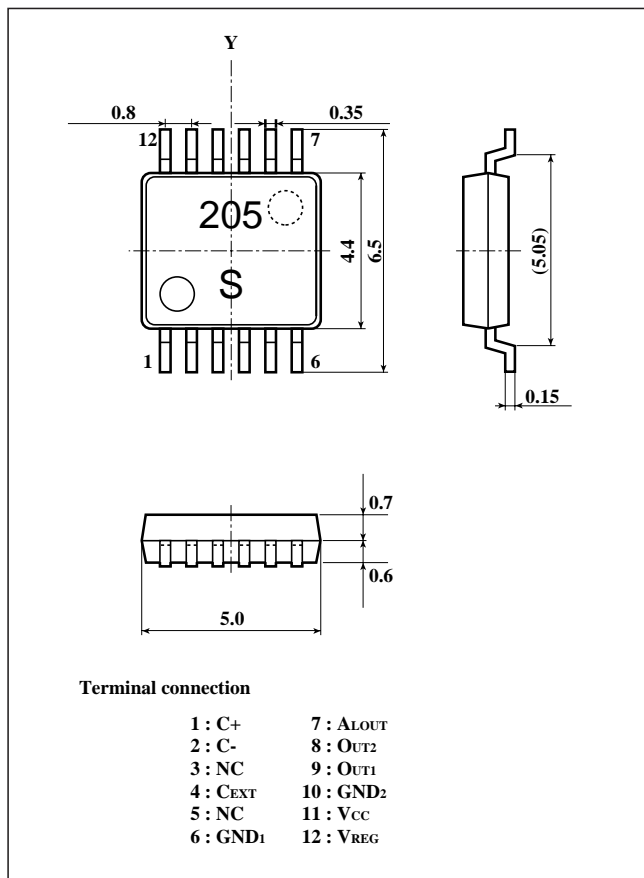


■ Block diagram



■ Outline Dimensions

(Unit : Fmm)



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

■ Electrical Characteristics

($T_a=25^\circ\text{C}$)

Parameter	Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Operating supply voltage	V_{CC}		8	-	28	V
Output current	I_{OUT}		-	-	(0.5)	A
Output saturation voltage	V_{OUT}	$V_{CC}=12\text{V}, I_o=0.5\text{A}$	-	-	(1.5)	V
Output cut-off current	I_{OC}	$V_o=55\text{V}$	-	-	30	μA
Operating magnetic flux density	B_1		-10	-	-	mT
	B_2		-	-	10	mT

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