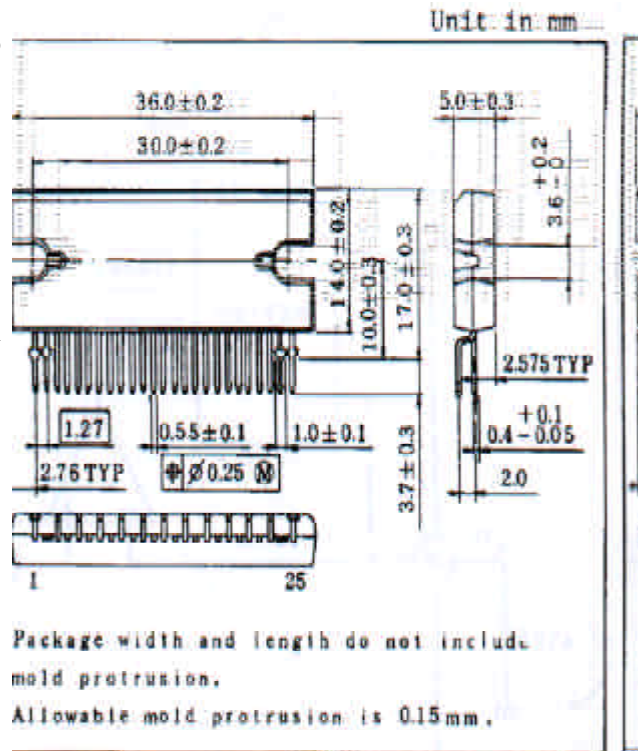


# IMT901

## PWM CHOPPER TYPE BIPOLAR STEPPING MOTOR DRIVER

IMT901 is PWM chopper type sinusoidal micro step bipolar stepping motor driver. Sinusoidal micro step operation is accomplished only a clock signal inputting by means of built-in hardware

- 1 chip bipolar sinusoidal micro step stepping motor driver
- Output current up to 1.5A (average) and 2.5A (peak)
- PWM chopper type
- Structured by high voltage Bi-CMOS process technology
- Forward and reverse rotation are available
- 2, 1-2, W1-2, 2W1-2, phase 1 or 2 clock drivers are selectable
- package: CPP25
- Input Pull-up resistor equipped with  $\overline{\text{RESET}}$   
Thermal: R=100kOhm (typ.)
- Output monitor available with  $\overline{\text{MO}}$ . IO(MO) =  $\pm 2\text{mA MAX.}$
- Reset and Enable are available with  $\overline{\text{RESET}}$  and ENABLE



CHARACTERISTIC	SYMBOL	RATING	UNIT
Supply voltage	V <sub>cc</sub>	5.5	V
	V <sub>m</sub>	40	V
Output Current	I <sub>o</sub> (PEAK)	2.5	A
	I <sub>o</sub> (AVERAGE)	1.5	A
MO Output Current	I <sub>o</sub> (MO)	-2	mA
Input Voltage	V <sub>in</sub>	-V <sub>cc</sub>	V
Power Dissipation	P <sub>d</sub>	*5	W
	P <sub>d</sub>	**43	W
Operating Temperature	T <sub>opr</sub>	-40~85	°C
Storage Temperature	T <sub>stg</sub>	-55~150	°C
Feed Back Voltage	V <sub>i</sub>	1.0	V

\* No heat sink  
\*\* T<sub>c</sub>=85°C