

Power ICs

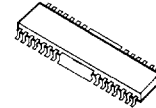
Stepping Motor Drivers ICs

[Outline]

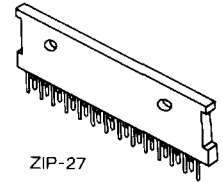
The MTD series are monolithic power ICs that can be directly control through CPU or Gate Array with few external parts.

[Applications]

1. Stepping motor drive for office equipment products.
2. Stepping motor drive for industrial robots, automatic equipments.



HSOP-28



ZIP-27

Type No.	Operation	Absolute Maximum Ratings (Ta=25°C)			Characteristics	Outline	
		V _{CE0} [V]	I _o [A]	P _T [W]		Package	Fig.
MTD1110	Unipolar	80	2	5	Constant-Current chopping function	ZIP-27	101
1120			1.2				
1120F			3				
2001	Bipolar	60	1.5	5	Constant-Current chopping function	ZIP-27	101
2003			1.2				
2003F		30	1.2	3		HSOP-28	102
2005				5			
2005F		60	1.3	5		ZIP-27	101
2007F				3			
☆	50	1.0	3	Dual Bridge Dual Bridge Current levels can be selected in 2 bit digital signal			
				Dual Bridge Dual Bridge Selectable slow/fast current decay for microstepping			
				Dual Bridge Current levels can be selected in 2 bit digital signal			

☆ : New products

Power ICs for Interface

[Outline]

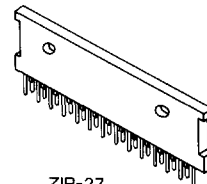
The MTA/MTB Series are monolithic power ICs best fit for use as needle print head drivers of dot matrix printers, and as stepping moter drivers.

[Features]

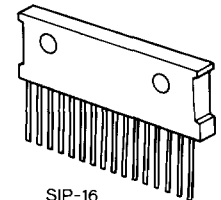
1. The input is TTL and CMOS compatible.
2. Large output I_c=2A or 4A, V_{CE}=60V or 80V
3. Insulated type single in-line packaging with heatsink installed

[Applications]

1. Head driver for dot matrix printers, ECR and time recorders
2. Stepping motor driver for printers, typewriters, FAX, PPC and XY plotters
3. Driver for all types of solenoids, and displays (LED, etc.)



ZIP-27



SIP-16

Type No.	I _c [A]	V _{CE0} [V]	P _T [W]		Operation			Outline	
			Ta=25°C	Tc=25°C	Input	Output	Circuits	Package	Fig.
MTA001M	2	80	5	35	L Active	NPN Darlington	9	ZIP-27	101
011		60			H Active				
MTB001	4	80	5	35	L Active	NPN Darlington	4	SIP-16	103
011					H Active				

Equivalent circuit (MTA001M)

