

POWER ICs

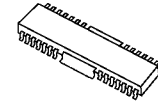
Stepping Motor Drivers ICs

Outline

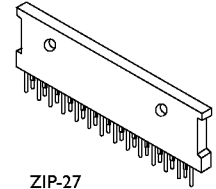
The MTD series are monolithic power ICs that can be directly controlled through a CPU or a Gate Array with few external parts.

Applications

- Stepping motor drive for office equipment products.
- Stepping motor drive for industrial robots, and automatic equipment.



HSOP-28



ZIP-27

Type No.	Operation	Absolute Maximum Ratings (Ta=25°C)			Characteristics	Outline																																			
		V _{CEO} [V]	I _O [A]	P _T [W]		Package	Figure																																		
MTD1110	Unipolar	80	2	5	4-Phase input Low Loss MOS output Dual H-Bridge Current levels can be selected in 2 bit digital signal Dual H-Bridge Selectable slow/fast current decay for microstepping Dual H-Bridge Selectable slow/fast current decay for microstepping Dual H-Bridge Automatic current decay speed Two Dual H-Bridges for control of two-stepping motors Two Dual H-Bridges with microstepping control	ZIP-27	101																																		
1120			1.2	3		HSOP-28	102																																		
1120F																																									
★MTD1361	MOSFET Bipolar	60	1.5	5		Dual H-Bridge	ZIP-27	101																																	
MTD2001						Constant-Current chopping function	30	1.2	Dual H-Bridge	HSOP-28	102																														
2003									3	1.3	5	ZIP-27	101																												
2003F												60	1.0	3	HSOP-28	102																									
2005															35	1.3	5	ZIP-27	101																						
2005F																		1	3	HSOP-28	102																				
2006																						50	1.3	5	ZIP-27	101															
2006F					1																						3	HSOP-28	102												
2007																														35	1.2	2.8	HSOP-28	102							
2007F																																			40	1.3	TBD	HSOP-40	106		
2009J																																								HSOP-36	TBD
☆ 2015K																																									

★: Under development ☆: New Product

Power ICs for Interface

Outline

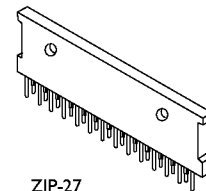
The MTA/MTB series are monolithic power ICs that were developed for use as needle print head drivers in dot matrix printers, and as stepping motor drivers.

Features

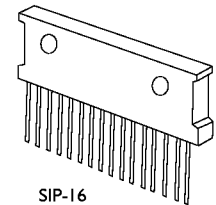
- The input is TTL and CMOS compatible.
- Large output I_C=2A or 4A, V_{CE}=60V or 80V
- Insulated type single in-line packaging with heatsink installed

Applications

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



ZIP-27



SIP-16

Type No.	I _C [A]	V _{CEO} [V]	P _T [W]		Operation			Outline	
			T _a =25°C	T _c =25°C	Input	Output	Circuits	Package	Figure
MTA001M	2	80	5	35	L Active	NPN Darlington	9	ZIP-27	101
011					H Active				
002					60	L Active			
MTB001	4	80	L Active	NPN Darlington	4		SIP-16	103	
011			H Active						

