

Power Management Division motor control ICs and regulators

Motor control ICs

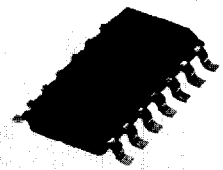
Since introducing our range of motor control ICs in 1993, it has grown steadily and includes many device and package variations not listed below. For a complete set of data sheets for motor

control applications, please refer to the Semelab Power Management databook, available from your agent or distributor, or direct from Semelab on the number below. All devices are available in wafer and cut die form.

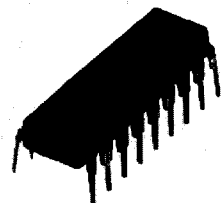
Part Number	Description	Temperature range	Package Types
IP1M12J	100mA Dual H Bridge	-55°C to 125°C	14 pin CERDIP
IP2M12J	100mA Dual H Bridge	-40°C to 85°C	14 pin CERDIP
IP2M12N	100mA Dual H Bridge	-40°C to 85°C	14 pin DIP
IP2M12D	100mA Dual H Bridge	-40°C to 85°C	14 pin SOIC
IP3M12J	200mA Dual H Bridge	-0°C to 70°C	14 pin CERDIP
IP3M12N	200mA Dual H Bridge	-0°C to 70°C	14 pin DIP
IP3M12D	200mA Dual H Bridge	-0°C to 70°C	14 pin SOIC

Voltage regulators

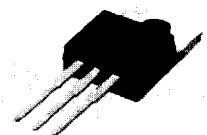
Output (A)	Output Voltage	1% Output Tolerance		4% Output Tolerance		Packages
0.5A	Fixed +5V	IP78M05A	IP140M-05	IP78M05	IP140M-05	TO39 D-PAK 6 pin CERDIP
	Fixed +12V	IP78M12A	IP140M-12	IP78M12	IP140M-12	
	Fixed +15V	IP78M15A	IP140M-15	IP78M15	IP140M-15	
	Fixed -5V	IP79M05A	IP120M-05	IP79M05	IP120M-05	
	Fixed -12V	IP79M12A	IP120M-12	IP79M12	IP120M-12	
	Fixed -15V	IP79M15A	IP120M-15	IP79M15	IP120M-15	
1.5A	Fixed +5V	IP7805A	IP140A-05	IP7805	IP140-05	TO3 TO39 TO66 TO220 TO220SM TO257
	Fixed +12V	IP7812A	IP140A-12	IP7812	IP140-12	
	Fixed +15V	IP7815A	IP140A-15	IP7815	IP140-15	
	+1.25V to +37V	IP117A		IP117		
	+1.25V to +37V	IP117AHV	IP317AHV	IP117HV	IP317HV	
	Fixed -5V	IP7905A	IP120A-05	IP7905	IP120-05	
	Fixed -12V	IP7912A	IP120A-12	IP7912	IP120-12	
	Fixed -15V	IP7915A	IP120A-15	IP7915	IP120-15	
	-1.25V to -37V	IP137A		IP137		
-1.25V to -47V	IP137AHV	IP337AHV	IP137HV	IP337HV		
3A	Fixed +5V	IP123A-05	IP323A-05	IP123-05	IP323-05	TO3 TO247 TO220 TO220SM TO257
	Fixed +12V	IP123A-12	IP323A-12	IP123-12	IP323-12	
	Fixed +15V	IP123A-15	IP323A-15	IP123-15	IP323-15	
	Fixed -5V	IP1R17A-05	IP3R17A-05	IP1R17-05	IP3R17-05	
	Fixed -12V	IP1R17A-12	IP3R17A-12	IP1R17-12	IP3R17-12	
	Fixed -15V	IP1R17A-15	IP3R17A-15	IP1R17-15	IP3R17-15	
	+1.2V to +37V	IP150A	IP350A	IP150	IP350	
	+1.2V to +37V	IP1R07A	IP3R07A	IP1R07	IP3R07	
5A	Fixed +5V	IP1R18A-05	IP3R18A-05	IP1R18-05	IP3R18-05	TO3 TO247
	Fixed +12V	IP1R18A-12	IP3R18A-12	IP1R18-12	IP3R18-12	
	Fixed +15V	IP1R18A-15	IP3R18A-15	IP1R18-15	IP3R18-15	
	Fixed -5V	IP1R19A-05	IP3R19A-05	IP1R19-05	IP3R19-05	
	Fixed -15V	IP1R19A-15	IP3R19A-15	IP1R19-15	IP3R19-15	
5A	+1.2V to +37V	IP138A	IP338A	IP138	IP338	TO3 TO247



14 Pin SOIC (D)



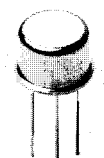
18 Pin PDIP (N)



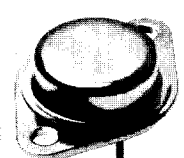
TO220 (T)



TO247 (V)



TO39 (H)



TO3 (K)