

	TYPE No.	Original	Temperature Range	Input Voltage (V)		Output Voltage (V)		Load Regulation		Line Regulation MAX.	Input Output Differential (V)		Package Outline
				MIN.	MAX.	MIN.	MAX.	MAX.	I <sub>L</sub>				
REGULATORS	μPC141A/C	305	Industrial	8.0	40	4.5	30	0.05%	12mA	0.06%/V	3.0	30	TO-99/8-LEAD DIP
	μPC305C	305	Commercial	8.0	40	4.5	30	0.05%	12mA	0.06%/V	3.0	30	8-LEAD DIP
	μPC142A	304	Industrial	-40	-8	-30	-0.035	5mV	20mA	0.1%	2.0	40	TO-100
	μPC7805H	7805	Industrial	7	35	4.8	5.2	100mV	1.5A	100mV	2.0 (TYP.)		TO-220
	μPC7808H	7808	Industrial	10	35	7.7	8.3	160mV	1.5A	160mV	2.0 (TYP.)		TO-220
	μPC7812H	7812	Industrial	15	35	11.5	12.5	240mV	1.5A	240mV	2.0 (TYP.)		TO-220
	μPC7815H	7815	Industrial	18	35	14.4	15.6	300mV	1.5A	300mV	2.0 (TYP.)		TO-220
	μPC78L05	78L05	Commercial	7	30	4.6	5.4	60mV	100mA	200mV	2.0 (TYP.)		SP-8
	μPC78L08	78L08	Commercial	10.5	30	7.36	8.64	80mV	100mA	200mV	2.0 (TYP.)		SP-8
	μPC78L12	78L12	Commercial	14.5	35	11.1	12.9	100mV	100mA	250mV	2.0 (TYP.)		SP-8
μPC78L15	78L15	Commercial	17.5	35	13.8	16.2	150mV	100mA	300mV	2.0 (TYP.)		SP-8	

	TYPE No.	Original	Temperature Range	Supply Voltage (V)	Operation Temperature (°C)		$\Delta V_o/\Delta T$ (mV/°C)	Linearity MAX. (%)	Initial Output Voltage (V)		Output Current MIN.		Package Outline
					MIN.	MAX.			MIN.	MAX.	Source	Sink	
FUNCTIONAL BLOCKS	μPC616A	3911	Industrial	7.5~36	-40	+85	10	2	2.36	2.60	10μA	2mA	TO-99
	μPC616C	3911	Industrial	7.5~36	-25	+85	10	2	2.36	2.60	10μA	2mA	8-LEAD DIP
	μPC3911C	3911	Commercial	7.5~36	-25	+85	10	2	2.36	2.60	10μA	2mA	8-LEAD DIP
	TYPE No.	Original	Temperature Range	Supply Voltage (V)	Supply Current V <sub>CC</sub> =5V MAX.	Supply Current V <sub>CC</sub> =15V MAX.	Timing Error	Timing Error Drift with Temperature	Output Source or Sink Current	Rise Time of Output	Fall Time of Output	Package Outline	
	μPC617C	555	Industrial	+45~+15	6mA	15mA	1% (TYP.)	50 PPM/°C (TYP.)	200mA	100nS (TYP.)	100nS (TYP.)	8-LEAD DIP	
μPC1555C	555	Commercial	+45~+15	6mA	15mA	1% (TYP.)	50 PPM/°C (TYP.)	200mA	100nS (TYP.)	100nS (TYP.)	8-LEAD DIP		

Industrial temperature range: -20°C ~ +80°C (metal can, ceramic DIP)

-20°C ~ +70°C (plastic molded DIP)

Consumer temperature range: 0°C ~ +70°C (plastic molded DIP)

## BIPOLAR MEMORY IC's

	Type No.	Function	Package Outline
Bipolar Memory	μPB2089D	16 Words x 4 Bits TTL RAM (Open Collector Output)	16-pin DIP
	μPB2289D		
	μPB2200D	256 Words x 1 Bit TTL RAM (Three State Output)	16-pin DIP
	μPB2202D		
	μPB2205D	1024 Words x 1 Bit TTL RAM (Open Collector Output)	16-pin DIP
	μPB2206D	256 Words x 1 Bit TTL RAM (Open Collector Output)	16-pin DIP
	μPB10142D	64 Words x 1 Bit ECL RAM (Open Emitter Output)	16-pin DIP
	μPB10144D	256 Words x 1 Bit ECL RAM (Open Emitter Output)	16-pin DIP
μPB10148D	64 Words x 1 Bit ECL RAM (Open Emitter Output)	16-pin DIP	

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