

# INDUSTRIAL LINEAR IC'S

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	TYPE No.	Original	Temperature Range	Supply Voltage (V)	V <sub>IO</sub> MAX. (mV)	$\Delta V_{IO}/\Delta T$ MAX. ( $\mu V/^{\circ}C$ )	I <sub>B</sub> MAX. (nA)	I <sub>IO</sub> MAX. (nA)	A <sub>v</sub> MIN.	CMR MIN. (dB)	SVR MAX. ( $\mu V/V$ )	Package Outline
OPERATIONAL AMPLIFIERS	$\mu$ PC51A	702	Industrial	V <sup>+</sup> =+12 V <sup>-</sup> =-6	5	5 (TYP.)	7 $\mu$ A	2 $\mu$ A	2,000	70	300	TO-99
	$\mu$ PC55A	709	Industrial	$\pm 9 \sim \pm 18$	5	20	800	200	20,000	70	100	TO-99
	$\mu$ PC151A/C	741	Industrial	$\pm 15$	6	30	500	200	25,000	70	150	TO-99/8-LEAD DIP
	$\mu$ PC741C	741C	Commercial	$\pm 15$	6	30	500	200	25,000	70	150	8-LEAD DIP
	$\mu$ PC152A	-	Industrial	$\pm 15$	200	50 (TYP.)	10pA	-	10,000	70 (TYP.)	300 (TYP.)	TO-99
	$\mu$ PC153A	-	Industrial	$\pm 3 \sim \pm 15$	5	3 (TYP.)	100	50	20,000	80	100	TO-99
	$\mu$ PC154A	725	Industrial	$\pm 3 \sim \pm 15$	2.5	3	125	35	250,000	96	35	TO-99
	$\mu$ PC156A	308	Industrial	$\pm 3 \sim \pm 15$	7.5	6 (TYP.)	7	1	25,000	80	100	TO-99
	$\mu$ PC157A/C	301A	Industrial	$\pm 5 \sim \pm 15$	7.5	30	250	50	25,000	70	300	TO-99/8-LEAD DIP
	$\mu$ PC301AC	301A	Commercial	$\pm 5 \sim \pm 15$	7.5	30	250	50	25,000	70	300	8-LEAD DIP
	$\mu$ PC159A	318	Industrial	$\pm 5 \sim \pm 18$	10	-	500	200	25,000	75	560	TO-99
	$\mu$ PC251A	747	Industrial	$\pm 15$	6	30	500	200	25,000	70	150	TO-100
	$\mu$ PC251C	1458	Industrial	$\pm 15$	6	30	500	200	20,000	70	150	8-LEAD DIP
	$\mu$ PC1458C	1458	Commercial	$\pm 15$	6	30	500	200	20,000	70	150	8-LEAD DIP
	$\mu$ PC253A	-	Industrial	$\pm 3 \sim \pm 15$	5	3 (TYP.)	100	50	30,000	80	100	TO-99
	$\mu$ PC451C	324	Industrial	+5 $\sim$ +30	7	-	500	50	100,000 (TYP.)	85 (TYP.)	10 (TYP.)	14-LEAD DIP
	$\mu$ PC324C	324	Commercial	+5 $\sim$ +30	7	-	500	50	100,000 (TYP.)	85 (TYP.)	10 (TYP.)	14-LEAD DIP
	$\mu$ PC254A	OP-05	Industrial	$\pm 3 \sim \pm 18$	1.3	1.5	$\pm 7$	6	100,000	100	15	TO-9
$\mu$ PC258C	4558	Industrial	$\pm 5 \sim \pm 18$	6	6 (TYP.)	500	200	20,000	70	150	8-LEAD DIP	
$\mu$ PC4558C	4558	Commercial	$\pm 5 \sim \pm 18$	6	6 (TYP.)	500	200	20,000	70	150	8-LEAD DIP	
$\mu$ PC250A	-	Industrial	$\pm 4 \sim \pm 18$	50	50	1.0pA	-	10,000	70	150	TO-99	
COMPARATORS	$\mu$ PC71A	710	Industrial	+12 -6	5	-	25 $\mu$ A	5 $\mu$ A	750	72	-	TO-99
	$\mu$ PC177D/C	339	Industrial	+5 $\sim$ +36	5	-	250	50	200,000 (TYP.)	-	-	14-LEAD DIP
	$\mu$ PC339C	339	Commercial	+5 $\sim$ +36	5	-	250	50	200,000 (TYP.)	-	-	14-LEAD DIP
	$\mu$ PC379A	-	Industrial	+5 $\sim$ +20	5	-	600	150	13,000	-	-	TO-100
	$\mu$ PC271D/C	311	Industrial	$\pm 15$	7.5	-	250	50	20,000 (TYP.)	-	-	8-LEAD DIP
	$\mu$ PC311C	311	Commercial	$\pm 15$	7.5	-	250	50	200,000 (TYP.)	-	-	8-LEAD DIP

D/A CONVERTERS	TYPE No.	Original	Temperature Range	Supply Voltage (V)	Resolution (Bit)	Linearity (%)	T.C. VFS (PPM/ $^{\circ}C$ )	Setting Time ( $\mu s$ )	Full Scale Voltage Range (V)	P <sub>d</sub> (mW)	Package Outline
	$\mu$ PC603D	DAC-01	Industrial	$\pm 15V$	6	0.4	160	3	+10, $\pm 5$ , $\pm 10$	250	16-LEAD DIP
	$\mu$ PC610D	DAC-02	Industrial	$\pm 15V$	11	0.2	100	6	$\pm 10$ Multiplying	300	18-LEAD DIP
	$\mu$ PC624D	DAC-08	Industrial	$\pm 15V$	8	0.19	50	0.15	-10, +18	175	16-LEAD DIP