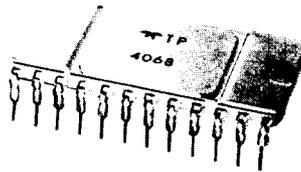
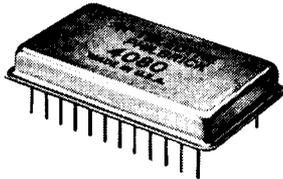


Digital to Analog Converters



4068

300nsec Current Settling to $\pm 0.01\%$
Monolithic Construction



4080

250nsec Voltage Settling to $\pm 0.01\%$
Monotonic Over Temperature



4065

60nsec Current Settling to $\pm 0.01\%$
 $\pm 1/2$ LSB Maximum Offset Error

D/A Converter Selection Guide

Resolution (Bits)	Part Number	Output Ranges (Volts, mA)	Maximum Settling Time (Step Size/Error Band/Time)	Integral Linearity Error (LSB's Max)	Differential Linearity Error (LSB's Max)	Temperature Range For Guaranteed Monotonicity	Maximum Power Consumption (mW)	Package	Page
12	4058	Voltage: -5, -10, ± 2.5 , ± 5 , ± 10 Current: +4, ± 2	20V/0.01%/2.5 μ s 4mA/0.01%/200nsec	$\pm 1/2$	$\pm 1/2$	0 to +70	645	A	6-3
12	4058-83 (1)	Voltage: -5, -10, ± 2.5 , ± 5 , ± 10 Current: +4, ± 2	20V/0.01%/2.5 μ s 4mA/0.01%/200ns	$\pm 1/2$	$\pm 1/2$	-55 to +125	645	A	6-3
12	4065	Current: +4, ± 2	4mA/0.01%/100ns	$\pm 1/2$	$\pm 1/2$	0 to +70	645	A	6-7
12	4065-83 (1)	Current: +4, ± 2	4mA/0.01%/100ns	$\pm 1/2$	$\pm 1/2$	-55 to +125	645	A	6-7
12	4068	Current: -5, ± 2.5	5mA/0.01%/400ns	$\pm 1/2$	$\pm 1/2$	0 to +70	465 (Typ)	B	6-11
12	4072	Multiplying (2)	20V/0.01%/650ns	$\pm 1/2$	$\pm 1/2$	0 to +50	1500	C	6-15
12	4080 Series	Voltage 4080: -5, -10 4081: ± 2.5 , ± 5 4082: +5, +10	10V/0.02%/250ns	$\pm 1/2$	$\pm 1/2$	0 to +70	900	A	6-17
12	4080-83 (1) Series	Voltage 4080-83: -5, -10 4081-83: ± 2.5 , ± 5 4082-83: +5, +10	10V/0.02%/250ns	$\pm 1/2$	$\pm 1/2$	-55 to +125	900	A	6-17

Notes: 1. Fully screened to the high reliability requirements of MIL-STD-883, Method 5008.

2. The 4072 is a multiplying DAC. Its output voltage ($\pm 10V$) will be equal to the product of its input voltage ($-1V$ to $+10V$) and its digitally programmable scale factor (-1 to $+1$).

Packages: A. 24 pin metal dual-in-line, 1.39" \times 0.8" \times 0.2"

B. 24 pin ceramic dual-in-line, 1.25" \times 0.61" \times 0.19"

C. Module, 3" \times 2.5" \times 0.4"

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