

Analog Multiplexers

General Purpose (Continued)

Mux Family	Special Features	$r_{DS(ON)}$ (Ω Max)	$I_{D(OFF)}$ (nA Max)	t_{ON} (ns Max)	t_{OFF} (ns Max)	Analog Voltage Range $V_{Supply} = (\pm 15V)$	Configuration			
							8 Channel Single Ended	4 Channel Differential	16 Channel Single Ended	8 Channel Differential
IH5000 Series	Industry standard pinouts, fault protection up to $\pm 25V$ input, low leakage, low input current	1200	1.0	1500	1000	-25 to +25 (Input)	IH5108	IH5208		
		1200	1.0	1500	1000	-25 to +25 (Input)			IH5116	IH5216
IH6000 Series	Industrial standard pinouts, low leakage, low $R_{DS(ON)}$ break before make switching	300	2.0	1500	1000	-14 to +14	IH6108	IH6208		
		600	2.0	1500	1000	-14 to +14			IH6116	IH6216
IH9108	High Voltage Multiplexer/Demultiplexer with latches for μP based systems	120	2.5	2000	1000	-50 to +50 *	IH9108			
DG5XXA Series		400	10	1500	1000	-15 to +15	DG508A	DG509A		
		400	10	1500	1000	-15 to +50			DG506A	DG507A
DG52X Series	Multiplexer/Demultiplexer with latches for μP based systems	400	10	1500	1000	-15 to +15	DG528	DG529		
		400	10	1500	1000	-15 to +15			DG526	DG527

* $\pm 60V$ for IH9108

High Speed/Mode Programmable

Part Number *	Multiplexer Type	Temperature Range	Package *	R_{ON} Max Full Temp (Ω)	Off Output Leakage (nA) Max, Full Temp	Access Time (ns) Typ, +25 $^{\circ}C$	Settling Time (0.1%) Typ, +25 $^{\circ}C$
HI1-0516-2 HI1-0516-5 HI3-0516-5 HI4-516-8	16-channel/dual 8	-55 $^{\circ}C$ to +125 $^{\circ}C$ 0 $^{\circ}C$ to +75 $^{\circ}C$ 0 $^{\circ}C$ to +75 $^{\circ}C$ -55 $^{\circ}C$ to +125 $^{\circ}C$	28-pin cerdip 28-pin cerdip 28-pin epoxy dip 28-pin LCC ceramic	1.0K	100	130	250ns
HI1-0518-2 HI1-0518-5 HI3-0518-5 HI1-0518/883 HI4P0518-5	8-channel/dual 4	-55 $^{\circ}C$ to +125 $^{\circ}C$ 0 $^{\circ}C$ to +75 $^{\circ}C$ 0 $^{\circ}C$ to +75 $^{\circ}C$ -55 $^{\circ}C$ to +125 $^{\circ}C$ 0 $^{\circ}C$ to +75 $^{\circ}C$	18-pin cerdip 18-pin cerdip 18-pin epoxy dip 18-pin cerdip 20-pin PLCC epoxy	1.0K	50	130	250ns

Special Purpose

Part Number *	Multiplexer Type	Temperature Range	Package *	R_{ON} Max Full Temp (Ω)	Off Output Leakage (nA) Max, Full Temp	Access Time (ns) Typ, +25 $^{\circ}C$	Settling Time (0.1%) Typ, +25 $^{\circ}C$
HI1-0524-2 HI1-0524-5 HI3-0524-5 HI1-0524/883 HI4P0524-5	4-channel video with low 10MHz crosstalk	-55 $^{\circ}C$ to +125 $^{\circ}C$ 0 $^{\circ}C$ to +75 $^{\circ}C$ 0 $^{\circ}C$ to +75 $^{\circ}C$ -55 $^{\circ}C$ to +125 $^{\circ}C$ 0 $^{\circ}C$ to +75 $^{\circ}C$	18-pin cerdip 18-pin cerdip 18-pin epoxy dip 18-pin cerdip 20-pin PLCC epoxy	1.5K	50	150	200ns
HI1-539-2 HI1-539-5 HI3-539-5 HI4P539	Differential 4-channel low, level matched	-55 $^{\circ}C$ to +125 $^{\circ}C$ 0 $^{\circ}C$ to +75 $^{\circ}C$ 0 $^{\circ}C$ to +75 $^{\circ}C$ 0 $^{\circ}C$ to +75 $^{\circ}C$	16-pin cerdip 16-pin cerdip 16-pin epoxy dip 20-pin PLCC epoxy	1.1K	25 2.5 2.5 2.5	250	900ns

* See interpretation guide and packaging section