

General 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°C	Settling Time (0.1%) Typ, +25°C
HI1-0506-2 HI1-0506-4 HI1-0506-5 HI3-0506-5 HI1-0506/883 HI4-0506/883 HI4P0506-5	Single-ended 16-channel	-55°C to +125°C -25°C to +85°C 0°C to +75°C 0°C to +75°C -55°C to +125°C -55°C to +125°C 0°C to +75°C	28-pin cerdip 28-pin cerdip 28-pin cerdip 28-pin epoxy dip 28-pin cerdip 28-pin LCC ceramic 28-pin PLCC epoxy	400	300	250	1.2μs
HI1-0507-2 HI1-0507-4 HI1-0507-5 HI3-0507-5 HI1-0507/883 HI4-0507/883 HI4P0507-5	Differential 8-channel	-55°C to +125°C -25°C to +85°C 0°C to +75°C 0°C to +75°C -55°C to +125°C -55°C to +125°C 0°C to +75°C	28-pin cerdip 28-pin cerdip 28-pin cerdip 28-pin epoxy dip 28-pin cerdip 28-pin LCC ceramic 28-pin PLCC epoxy	400	200	250	1.2μs
HI1-0508-2 HI1-0508-4 HI1-0508-5 HI3-0508-5 HI1-0508/883 HI4-0508/883 HI4P0508-5	Single-ended 8-channel	-55°C to +125°C -25°C to +85°C 0°C to +75°C 0°C to +75°C -55°C to +125°C -55°C to +125°C 0°C to +75°C	16-pin cerdip 16-pin cerdip 16-pin cerdip 16-pin epoxy dip 16-pin cerdip 20-pin LCC ceramic 20-pin PLCC epoxy	400	200	250	360ns
HI1-0509-2 HI1-0509-4 HI1-0509-5 HI3-0509-5 HI1-0509/883 HI4-0509/883 HI4P0509-5	Differential 4-channel	-55°C to +125°C -25°C to +85°C 0°C to +75°C 0°C to +75°C -55°C to +125°C -55°C to +125°C 0°C to +75°C	16-pin cerdip 16-pin cerdip 16-pin cerdip 16-pin epoxy dip 16-pin cerdip 20-pin LCC ceramic 20-pin PLCC epoxy	400	100	250	360ns
HI1-1818A-2 HI1-1818A-5 HI3-1818A-5 HI1-1818A/883 HI4P1818-5	Single-ended 8-channel Low-Power	-55°C to +125°C 0°C to +75°C 0°C to +75°C -55°C to +125°C 0°C to +75°C	16-pin cerdip 16-pin cerdip 16-pin epoxy dip 16-pin cerdip 20-pin PLCC epoxy	500	250	350	1.0μs
HI1-1828A-2 HI1-1828A-5 HI3-1828A-5 HI1-1828A/883 HI4P1828-5	Differential 4-channel Low-power	-55°C to +125°C 0°C to +75°C 0°C to +75°C -55°C to +125°C 0°C to +75°C	16-pin cerdip 16-pin cerdip 16-pin epoxy dip 16-pin cerdip 20-pin PLCC epoxy	500	125	350	1.0μs

* See interpretation guide and packaging section

Mux Family	Special Features	I _{DS} (ON) (Ω Max)	I _D (OFF) (nA Max)	t _{ON} (ns Max)	t _{OFF} (ns Max)	Analog Voltage Range V _{Supply} = (±15V)	Configuration			
							8 Channel Single Ended	4 Channel Differential	16 Channel Single Ended	8 Channel Differential
DG5XXA Series		400	10	1500	1000	-15 to +15	DG508A	DG509A		
		400	10	1500	1000	-15 to +15			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