

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 | r _{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 |