

High Voltage Analog Multiplexer/Switch ICs

| Device | Interface | Configura- tion | Supply Voltage $V_{PP}-V_{NN}$ (V) | Analog Signal Voltage (V) | Switch Cur- rent (A) | Switch Resis- tance typ ⁵ (Ω) | Output Bleed Resistors | Package Options | Notes |
|--------------------------------|--------------|--------------------|---|------------------------------------|-------------------------------|---|------------------------------|--------------------|-------|
| <u>HV2601</u> | Serial | 16-SPST | 200 | 180 | ± 2 | 16 | No | 48-Lead LQFP (FG) | - |
| | | | | | | | | 48-Ball fpBGA (GA) | - |
| <u>HV2701</u> | Serial | 16-SPST | 200 | 180 | ± 2 | 16 | Yes | 48-Lead LQFP (FG) | - |
| | | | | | | | | 48-Ball fpBGA (GA) | - |
| <u>HV2612</u> | 1 Bank of 16 | 16-SPST | 150 | 140 | +2 | 8.5 | No | 48-Lead LQFP (FG) | 6 |
| <u>HV2631</u> | 2 Banks of 8 | 16-SPST | 220 | 200 | ± 2 | 18 | No | 48-Lead LQFP (FG) | - |
| <u>HV2731</u> | 2 Banks of 8 | 16-SPST | 220 | 200 | ± 2 | 18 | Yes | 48-Lead LQFP (FG) | - |
| <u>HV2203</u> | Serial | 8-SPST | 200 | 180 | ± 1 | 29 | No | 48-Lead LQFP (FG) | - |
| | | | | | | | | 28-Lead PLCC (PJ) | - |
| <u>HV2303</u> | Serial | 8-SPST | 200 | 180 | ± 1 | 29 | Yes | 48-Lead LQFP (FG) | - |
| | | | | | | | | 28-Lead PLCC (PJ) | - |
| <u>HV2201</u> | Serial | 8-SPST | 200 | 180 | ± 2 | 16 | No | 48-Lead LQFP (FG) | - |
| | | | | | | | | 28-Lead PLCC (PJ) | - |
| <u>HV2301</u> | Serial | 8-SPST | 200 | 180 | ± 2 | 16 | Yes | 48-Lead LQFP (FG) | - |
| | | | | | | | | 28-Lead PLCC (PJ) | - |
| <u>HV220</u> | Serial | 8-SPST | 200 | 180 | ± 2 | 16 | No | 25-Ball fpBGA (GA) | - |
| <u>HV230</u> | Serial | 8-SPST | 200 | 180 | ± 2 | 16 | Yes | 26-Lead BCC (B1) | - |
| | | | | | | | | 26-Ball fpBGA (GA) | |
| <u>HV2221</u> | Serial | 8-SPST | 240 | 220 | ± 4 | 12 | No | 48-Lead LQFP (FG) | - |
| <u>HV2321</u> | Serial | 8-SPST | 240 | 220 | ± 4 | 12 | Yes | 48-Lead LQFP (FG) | - |
| <u>HV20220</u> | Serial | 8-SPST | 200 | 180 | ± 2 | 16 | No | 28-Lead PLCC (PJ) | 1 |
| | | | | | | | | 48-Lead LQFP (FG) | 1 |
| <u>HV20320</u> | Serial | 8-SPST | 200 | 180 | ± 2 | 16 | No | 28-Lead PLCC (PJ) | 1 |
| <u>HV232</u> | Serial | 8-SPST | 220 | 180 | ± 2 | 16 | Yes | 28-Lead PLCC (PJ) | 2 |
| | | | | | | | | 48-Lead LQFP (FG) | 2 |
| <u>HV209</u> | Serial | 6-SPDT | 200 | 180 | ± 2 | 16 | Yes | 48-Lead LQFP (FG) | - |
| <u>HV214</u> | Serial | 8-SPST | 250 | 230 | ± 2 | 27 | No | 28-Lead PLCC (PJ) | - |
| | | | | | | | | 48-Lead LQFP (FG) | - |
| <u>HV219</u> | Serial | 8-SPST | 200 | 180 | ± 2 | 8.0 | No | 28-Lead PLCC (PJ) | - |
| | | | | | | | | 48-Lead LQFP (FG) | - |
| <u>HV20822</u> | 2 Banks of 8 | 16-SPST | 220 | 200 | ± 2 | 18 | No | 48-Lead LQFP (FG) | 3 |
| <u>HV238</u> | 2 Banks of 8 | 16-SPST | 220 | 200 | ± 2 | 18 | Yes | 48-Lead LQFP (FG) | 4 |

Notes:

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|--------------------------------|------------------------------------|
| 1. Use HV2201 for new designs | 4. Use HV2731 for new designs. |
| 2. Use HV2301 for new designs. | 5. Typical at 200mA, 25°C. |
| 3. Use HV2631 for new designs. | 6. Unipolar Positive Probe Switch. |