

Product Overview

7WBD3125: 2-Bit Translating Bus Switch

For complete documentation, see the data sheet.

The 7WBD3125 is an advanced high-speed low-power 2-bit translating bus switch in ultra-small footprints.

Features

- High Speed: $t_{PD} = 0.25 \text{ ns (Max) @ } V_{CC} = 4.5 \text{ V}$
- 3 ohms Switch Connection Between 2 Ports
- Power Down Protection Provided on Inputs
- Zero Bounce
- TTLCompatible Control Inputs
- UltraSmall PbFree Packages
- These are PbFree Devices

Applications

- I2C, SMBus, PMBus

| Part Electrical Specifications | | | | | | | | | | |
|--------------------------------|---|--------|----------|--------------------|---------------|-------------------------------------|--------------------------------|--------------------------|--------------------------|--------------|
| Product | Compliance | Status | Channels | Number of Switches | Configuration | $I_{cc} \text{ Max } (\mu\text{A})$ | $r_{on} \text{ Max } (\Omega)$ | $V_{CC} \text{ Min (V)}$ | $V_{CC} \text{ Max (V)}$ | Package Type |
| 7WBD3125AMUTCG | Pb-free | Active | 2 | 2 | SPST | 1 | 15 | 4 | 5.5 | UQFN-8 |
| | Halide free | | | | | | | | | |
| 7WBD3125MUTAG | Pb-free | Active | 2 | 2 | SPST | 1 | 15 | 4 | 5.5 | UDFN-8 |
| 7WBD3125USG | Pb-free | Active | 2 | 2 | SPST | 1 | 15 | 4 | 5.5 | US8 |
| | Halide free | | | | | | | | | |
| NLV7WBD3125USG | AEC Qualified PPAP Capable Pb-free Halide free | Active | 2 | 2 | SPST | 1 | 15 | 4 | 5.5 | US8 |

For more information please contact your local sales support at www.onsemi.com.

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