

TinyLogic ULP-A Dual Buffer (Open Drain Output); Package: SC70; No of Pins: 6;  
 Container: Tape & Reel, Buffers & Line Drivers Dual Buffer

|               |                                       |
|---------------|---------------------------------------|
| Manufacturers | <a href="#">ON Semiconductor, LLC</a> |
| Package/Case  | SC-70-6                               |
| Product Type  | Logic ICs                             |
| RoHS          | Rohs                                  |
| Lifecycle     |                                       |



Images are for reference only

Please submit RFQ for NC7WV07P6X or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The NC7WV07 is a dual buffer with open drain output from Fairchild's Ultra Low Power-A series of TinyLogic®. ULP-A is ideal for applications that require extreme high speed, high drive and low power. This product is designed for a wide low voltage operating range (0.9V to 3.6V VCC) and applications that require more drive and speed than the TinyLogic ULP series, but still offer best in class low power operation. The NC7WV07 is uniquely designed for optimized power and speed, and is fabricated with an advanced CMOS technology to achieve high-speed operation while maintaining low CMOS power dissipation.

## Features

0.9V to 3.6V VCC supply operation

3.6V overvoltage tolerant I/O's at VCC from 0.9V to 3.6V

Extremely High Speed tPD1.0 ns typ for 2.7V to 3.6V VCC1.2 ns typ for 2.3V to 2.7V VCC2.0 ns typ for 1.65V to 1.95V VCC3.2 ns typ for 1.4V to 1.6V VCC6.0 ns typ for 1.1V to 1.3V VCC13.0 ns typ for 0.9V VCC

Power-Off high impedance inputs and outputs

High Static Drive (IOH/IOL) $\pm$ 24 mA @ 3.00V VCC $\pm$ 18 mA @ 2.30V VCC $\pm$ 6 mA @ 1.65V VCC $\pm$ 4 mA @ 1.4V VCC $\pm$ 2 mA @ 1.1V VCC $\pm$ 0.1 mA @ 0.9V VCC

Uses patented Quiet Series™ noise/EMI reduction circuitry

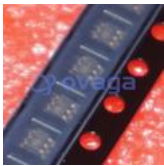
Ultra small MicroPak™ leadfree package

Ultra low dynamic power

## Application

ONSEMI

## Related Products



### [NC7SZ18P6X](#)

ON Semiconductor, LLC  
SC-70-6



### [NC7SV32P5X](#)

ON Semiconductor, LLC  
SC-70



### [NC7S32M5X](#)

ON Semiconductor, LLC  
SOT-23



### [NC7WZ08K8X](#)

ON Semiconductor, LLC  
VSOP-8



### [NC7SV04P5X](#)

ON Semiconductor, LLC  
SC-70-5



### [NC7SV08P5X](#)

ON Semiconductor, LLC  
SC-70



### [NC7SV157P6X](#)

ON Semiconductor, LLC  
SC-70-6



### [NC7SZ00P5X](#)

ON Semiconductor, LLC  
SC-70