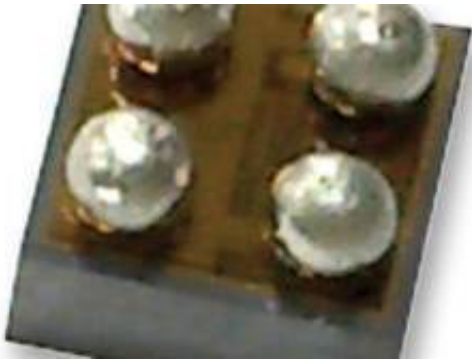


## Power Switch 2A 4-Pin DSBGA T/R



### Listing details

Reference Number: RF418806

#### Common

Price: \$ 0.47  
Country: United States  
Description:

#### Power Switch 2A 4-Pin DSBGA T/R

Manufacturer Part #: TPS22915BYFPT

Alternate Part #: TPS22915BYFPT/BKN

The TPS22914/15 is a small, low RON, single channel load switch with controlled slew rate. The device contains an N-channel MOSFET that can operate over an input voltage range of 1.05 V to 5.5 V and can support a maximum continuous current of 2 A. The switch is controlled by an on/off input, which is capable of interfacing directly with low-voltage control signals.

#### Key Features

1. Integrated Single Channel Load Switch
2. Input Voltage Range: 1.05 V to 5.5 V
3. Low On-Resistance (RON)
4. RON = 37 mΩ (typ) at VIN = 5 V
5. RON = 38 mΩ (typ) at VIN = 3.3 V
6. RON = 43 mΩ (typ) at VIN = 1.8 V
7. 2-A Maximum Continuous Switch Current
8. Low Quiescent Current
9. 7.7 μA (typ) at VIN = 3.3 V
10. Low Control Input Threshold Enables Use of 1.0-V or Higher GPIO
11. Controlled Slew Rate
12. tR = 64 μs at VIN = 3.3 V (TPS22914B/15B)
13. tR = 913 μs at VIN = 3.3 V (TPS22914C/15C)

- 14. Quick Output Discharge (TPS22915 only)
- 15. Ultra-Small Wafer-Chip-Scale Package
- 16. 0.78 mm × 0.78 mm, 0.4-mm Pitch,
- 17. 0.5-mm Height (YFP)
- 18. ESD Performance Tested per JESD 22
- 19. 2-kV HBM and 1-kV CDM

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Posted:

7 years ago

