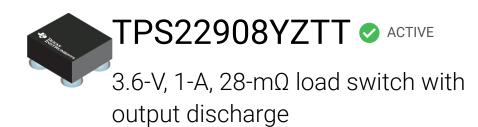
7



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Inventory: 15,465

DATA SHEET 🔼 Download the data sheet for the TPS22908 | View all additional information for the TPS22908

Quality information

RoHS	Yes
REACH	Yes
Lead finish / Ball material	SNAGCU
MSL rating / Peak reflow	Level-1-260C- UNLIM
Ouglity reliability	

Quality, reliability

& packaging information (1) View or download

More TPS22908 information

Parametrics

Technical documentation

Design & development

Support & training

Packaging information

Package Pins	Package qty Carrier:	Operating temperature range (°C)
DSBGA (YZT) 4	250 SMALL T&R	-40 to 85

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Features for the TPS22908

- Integrated P-Channel Load Switch
- Input Voltage: 1 V to 3.6 V
- 1 A Maximum Continuous Switch Current
- · On-Resistance (Typical Values)
 - \circ R_{ON} = 28 m Ω at V_{IN} = 3.6 V
 - \circ R_{ON} = 33 m Ω at V_{IN} = 2.5 V
 - \circ R_{ON} = 42 m Ω at V_{IN} = 1.8 V
- \circ R_{ON} = 70 m Ω at V_{IN} = 1.2 V
- Maximum Quiescent Current = 1 μA Maximum Shutdown Current = 1 μA
- Low Control Input Thresholds Enable Use of 1.2-V, 1.8-V, 2.5-V, and 3.3-V Logic
- Controlled Slew Rate to Avoid Inrush Currents
 - t_R = 105 μs at V_{IN} = 3.6V
- Four Terminal Wafer-Chip-Scale Package (WCSP)
 - · Nominal Dimensions See Addendum for Details
 - 0.9 mm × 0.9 mm, 0.5-mm Pitch, 0.6-mm Height
- Quick Output Discharge (QOD)

Description for the TPS22908

The TPS22908 is a small, low R_{ON} load switch with controlled turn on. The device contains a P-channel MOSFET that operates over an input voltage range of 1 V to 3.6 V. The switch is controlled by an on/off input (ON), which is capable of interfacing directly with low-voltage control signals.

The TPS22908 is available in a space-saving 4-terminal WCSP with 0.5 mm pitch (YZT). The device is characterized for operation over the free-air temperature range of -40°C to 85°C.

Pricing

Price (EUR)
€0.342
€0.264
€0.194
€0.139

Additional package qty | carrier options •



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