



TPS2552DBVT-1 Information



For Reference Only

Part Number TPS2552DBVT-1

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

Description IC PWR DIST SWITCH ADJ SOT23-6

Package SOT-23-6

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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TPS2552DBVT-1 Specifications

| Manufacturer Part Number TPS2552DBVT-1 Manufacturer Texas Instruments Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers Package SOT-23-6 Series - Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 2.5 V ~ 6.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.5A Rds On (Typ) 85 mOhm Input Type Non-Inverting Features Slew Rate Controlled, Status Flag Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case SOT-23-6 Supplier Device Package SOT-23-6 | | |
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| Output TypeN-ChannelInterfaceOn/OffVoltage - Load2.5 V ~ 6.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1.5ARds On (Typ)85 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, UVLOOperating Temperature-40°C ~ 150°C (TJ)Package / CaseSOT-23-6Supplier Device PackageSOT-23-6 | Ratio - Input:Output | 1:1 |
| Interface On/Off Voltage - Load 2.5 V ~ 6.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.5A Rds On (Typ) 85 mOhm Input Type Non-Inverting Features Slew Rate Controlled, Status Flag Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case SOT-23-6 Supplier Device Package SOT-23-6 | Output Configuration | High Side |
| Voltage - Load 2.5 V ~ 6.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.5A Rds On (Typ) 85 mOhm Input Type Non-Inverting Features Slew Rate Controlled, Status Flag Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case SOT-23-6 Supplier Device Package SOT-23-6 | Output Type | N-Channel |
| Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.5A Rds On (Typ) 85 mOhm Input Type Non-Inverting Features Slew Rate Controlled, Status Flag Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case SUPPlier Device Package SOT-23-6 | Interface | On/Off |
| Current - Output (Max) Rds On (Typ) 85 mOhm Input Type Non-Inverting Features Slew Rate Controlled, Status Flag Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case SOT-23-6 Supplier Device Package SOT-23-6 | Voltage - Load | 2.5 V ~ 6.5 V |
| Rds On (Typ) 85 mOhm Input Type Non-Inverting Features Slew Rate Controlled, Status Flag Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case SOT-23-6 Supplier Device Package SOT-23-6 | Voltage - Supply (Vcc/Vdd) | Not Required |
| Input Type Non-Inverting Features Slew Rate Controlled, Status Flag Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case SOT-23-6 Supplier Device Package SOT-23-6 | Current - Output (Max) | 1.5A |
| Features Slew Rate Controlled, Status Flag Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case SOT-23-6 Supplier Device Package SOT-23-6 | Rds On (Typ) | 85 mOhm |
| Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case SOT-23-6 Supplier Device Package SOT-23-6 | Input Type | Non-Inverting |
| Operating Temperature -40°C ~ 150°C (TJ) Package / Case SOT-23-6 Supplier Device Package SOT-23-6 | Features | Slew Rate Controlled, Status Flag |
| Package / Case SOT-23-6 Supplier Device Package SOT-23-6 | Fault Protection | Current Limiting (Adjustable), Over Temperature, UVLO |
| Supplier Device Package SOT-23-6 | Operating Temperature | $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$ |
| | Package / Case | SOT-23-6 |
| Report errors? | Supplier Device Package | SOT-23-6 |
| | | Report errors? |

TPS2552DBVT-1 Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

TPS2552DBVT-1 Payment Methods



















TPS2552DBVT-1 Shipping Methods













If you have any question about TPS2552DBVT-1, please do not hesitate to contact us!

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