

T6819-TBS Information

Part Number T6819-TBS

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

Description IC DRIVER DUAL TRPL DMOS 16-SOIC

Package 16-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



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T6819-TBS Specifications

| Manufacturer Part Number T6819-TBS Manufacturer Microchip Technology Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers Package 16-SOIC (0.154", 3.90mm Width) Series - Switch Type General Purpose Number of Outputs 6 Ratio - Input:Output 1:6 Output Configuration High Side or Low Side Output Type N-Channel Interface SPI Voltage - Load 5.6 V ~ 40 V Voltage - Supply (Vcc/Vdd) 4.75 V ~ 5.25 V Current - Output (Max) 1.5A Rds On (Typ) 500 mOhm Input Type - Features - Features - Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TI) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SOIC (5.154", 3.90mm Width) | - | | |
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| PMIC - Power Distribution Switches, Load Drivers Package 16-SOIC (0.154", 3.90mm Width) Series - Switch Type General Purpose Number of Outputs 6 Ratio - Input:Output 1:6 Output Configuration High Side or Low Side Output Type N-Channel Interface SPI Voltage - Load 5.6 V ~ 40 V Voltage - Supply (Vcc/Vdd) 4.75 V ~ 5.25 V Current - Output (Max) 1.5A Rds On (Typ) 500 mOhm Input Type - Features - Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO | Manufacturer | Microchip Technology | |
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| Series - Switch Type General Purpose Number of Outputs 6 Ratio - Input:Output 1:6 Output Configuration High Side or Low Side Output Type N-Channel Interface SPI Voltage - Load 5.6 V ~ 40 V Voltage - Supply (Vcc/Vdd) 4.75 V ~ 5.25 V Current - Output (Max) 1.5A Rds On (Typ) 500 mOhm Input Type - Features - Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO | | PMIC - Power Distribution Switches, Load Drivers | |
| Switch TypeGeneral PurposeNumber of Outputs6Ratio - Input:Output1:6Output ConfigurationHigh Side or Low SideOutput TypeN-ChannelInterfaceSPIVoltage - Load5.6 V ~ 40 VVoltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VCurrent - Output (Max)1.5ARds On (Typ)500 mOhmInput Type-Features-Fault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, UVLOOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SO | Package | 16-SOIC (0.154", 3.90mm Width) | |
| Number of Outputs6Ratio - Input:Output1:6Output ConfigurationHigh Side or Low SideOutput TypeN-ChannelInterfaceSPIVoltage - Load $5.6 \text{ V} \sim 40 \text{ V}$ Voltage - Supply (Vcc/Vdd) $4.75 \text{ V} \sim 5.25 \text{ V}$ Current - Output (Max) 1.5 A Rds On (Typ) 500 mOhm Input Type-Features-Fault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, UVLOOperating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)Package / Case $16\text{-SOIC }(0.154^{\circ}\text{ N}, 3.90 \text{mm Width})$ Supplier Device Package 16-SOI | Series | - | |
| Ratio - Input:Output1:6Output ConfigurationHigh Side or Low SideOutput TypeN-ChannelInterfaceSPIVoltage - Load5.6 V ~ 40 VVoltage - Supply (Vcc/Vdd)4.75 V ~ 5.25 VCurrent - Output (Max)1.5ARds On (Typ)500 mOhmInput Type-Features-Fault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, UVLOOperating Temperature-40°C ~ 150°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SO | Switch Type | General Purpose | |
| Output Configuration High Side or Low Side Output Type N-Channel Interface SPI Voltage - Load 5.6 V ~ 40 V Voltage - Supply (Vcc/Vdd) 4.75 V ~ 5.25 V Current - Output (Max) Input Type 500 mOhm Input Type - Features Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO | Number of Outputs | 6 | |
| Output TypeN-ChannelInterfaceSPIVoltage - Load $5.6 \text{ V} \sim 40 \text{ V}$ Voltage - Supply (Vcc/Vdd) $4.75 \text{ V} \sim 5.25 \text{ V}$ Current - Output (Max) 1.5A Rds On (Typ) 500 mOhm Input Type-Features-Fault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, UVLOOperating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ)Package / Case $16\text{-SOIC }(0.154^{\circ}\text{N}, 3.90 \text{mm Width})$ Supplier Device Package 16-SO | Ratio - Input:Output | 1:6 | |
| Interface SPI Voltage - Load 5.6 V ~ 40 V Voltage - Supply (Vcc/Vdd) 4.75 V ~ 5.25 V Current - Output (Max) 1.5A Rds On (Typ) 500 mOhm Input Type - Features - Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO | Output Configuration | High Side or Low Side | |
| Voltage - Load $5.6 \text{ V} \sim 40 \text{ V}$ Voltage - Supply (Vcc/Vdd) $4.75 \text{ V} \sim 5.25 \text{ V}$ Current - Output (Max) 1.5A Rds On (Typ) 500 mOhm Input Type - Features - Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO | Output Type | N-Channel | |
| Voltage - Supply (Vcc/Vdd) 4.75 V ~ 5.25 V Current - Output (Max) 1.5A Rds On (Typ) 500 mOhm Input Type - Features - Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO | Interface | SPI | |
| Current - Output (Max) Rds On (Typ) 500 mOhm Input Type - Features - Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package | Voltage - Load | 5.6 V ~ 40 V | |
| Rds On (Typ) 500 mOhm Input Type - Features - Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO | Voltage - Supply (Vcc/Vdd) | 4.75 V ~ 5.25 V | |
| Input Type - Features - Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO | Current - Output (Max) | 1.5A | |
| Features - Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO Operating Temperature -40°C ~ 150°C (TJ) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO | Rds On (Typ) | 500 mOhm | |
| Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO | Input Type | - | |
| Operating Temperature -40°C ~ 150°C (TJ) Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO | Features | - | |
| Package / Case 16-SOIC (0.154", 3.90mm Width) Supplier Device Package 16-SO | Fault Protection | Current Limiting (Fixed), Open Load Detect, Over Temperature, UVLO | |
| Supplier Device Package 16-SO | Operating Temperature | -40°C ~ 150°C (TJ) | |
| | Package / Case | 16-SOIC (0.154", 3.90mm Width) | |
| Report errors? | Supplier Device Package | 16-SO | |
| | | | Report errors? |

T6819-TBS 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.

T6819-TBS Payment Methods





















T6819-TBS Shipping Methods













If you have any question about T6819-TBS, please do not hesitate to contact us!

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