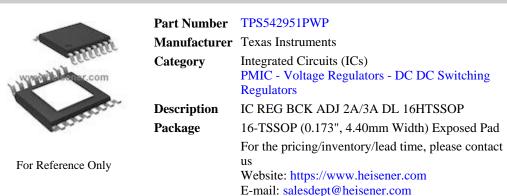


## **TPS542951PWP**

#### **TPS542951PWP Information**





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#### **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



#### **TPS542951PWP Specifications**

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage6-TSSOP (0.173", 4.40mm Width) Exposed PadSeriesD-CAP2?, Eco-Mode?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs2Voltage - Input (Mar)18VVoltage - Output (Min/Fixed)7VVoltage - Output (Min/Fixed)7VVoltage - Output (Mar)2A, 3AFrequency - Switching70kHzSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Mounting Type6-TSSOP (0.173", 4.40mm Width) Exposed Pad		
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-TSSOP (0.173", 4.40mm Width) Exposed PadSeriesD-CAP2?, Eco-Mode?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs2Voltage - Input (Min)18VVoltage - Output (Min/Fixed)0.76VVoltage - Output (Min/Fixed)7VVoltage - Output (Min/Fixed)7VCurrent - Output2, 3AFrequency - Switching70kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting Type16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Manufacturer Part Number	TPS542951PWP
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage16-TSSOP (0.173", 4.40mm Width) Exposed PadSeriesD-CAP2?, Eco-Mode?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs2Voltage - Input (Min)4.5VVoltage - Output (Min/Fixed)0.76VVoltage - Output (Min/Fixed)0.76VVoltage - Output (Max)7VCurrent - Output2A, 3AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Manufacturer	Texas Instruments
Package16-TSSOP (0.173", 4.40mm Width) Exposed PadSeriesD-CAP2?, Eco-Mode?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs2Voltage - Input (Min)4.5VVoltage - Output (Max)18VVoltage - Output (Max)7VCurrent - Output2A, 3AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Category	Integrated Circuits (ICs)
Series D-CAP2?, Eco-Mode?   Function Step-Down   Output Configuration Positive   Topology Buck   Output Type Adjustable   Output Outputs 2   Voltage - Input (Min) 4.5V   Voltage - Input (Max) 18V   Voltage - Output (Max) 7V   Current - Output 2A, 3A   Frequency - Switching 700kHz   Synchronous Rectifier Yes   Operating Temperature 40°C ~ 85°C (TA)   Mounting Type Surface Mount   Package / Case 16-TSSOP (0.173", 4.40mm Width) Exposed Pad		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableOutput Type2Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.76VVoltage - Output (Max)7VCurrent - Output2A, 3AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature4.0°C ~ 85°C (TA)Mounting Type6-TSSOP (0.173", 4.40mm Width) Exposed Pad	Package	16-TSSOP (0.173", 4.40mm Width) Exposed Pad
Output ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs2Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Max)0.76VVoltage - Output (Max)7VCurrent - Output2A, 3AFrequency - Switching700kHzSynchronous Rectifier4.0°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Series	D-CAP2?, Eco-Mode?
TopologyBuckOutput TypeAdjustableNumber of Outputs2Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.76VVoltage - Output (Max)7VCurrent - Output2A, 3AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Function	Step-Down
Output TypeAdjustableNumber of Outputs2Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.76VVoltage - Output (Max)7VCurrent - Output2A, 3AFrequency - Switching700kHzSynchronous Rectifier40°C ~ 85°C (TA)Operating Temperature40°C ~ 0.173", 4.40mm Width) Exposed Pad	Output Configuration	Positive
Number of Outputs2Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.76VVoltage - Output (Max)7VCurrent - Output2A, 3AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Topology	Buck
Voltage - Input (Min) 4.5V   Voltage - Input (Max) 18V   Voltage - Output (Min/Fixed) 0.76V   Voltage - Output (Max) 7V   Current - Output 2A, 3A   Frequency - Switching 700kHz   Synchronous Rectifier Yes   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type Surface Mount   Package / Case 16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Output Type	Adjustable
Voltage - Input (Max)18VVoltage - Output (Min/Fixed)0.76VVoltage - Output (Max)7VCurrent - Output2A, 3AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Number of Outputs	2
Voltage - Output (Min/Fixed)0.76VVoltage - Output (Max)7VCurrent - Output2A, 3AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Voltage - Input (Min)	4.5V
Voltage - Output (Max)7VCurrent - Output2A, 3AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Voltage - Input (Max)	18V
Current - Output2A, 3AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Voltage - Output (Min/Fixed)	0.76V
Frequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Voltage - Output (Max)	7V
Synchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Current - Output	2A, 3A
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Frequency - Switching	700kHz
Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Synchronous Rectifier	Yes
Package / Case16-TSSOP (0.173", 4.40mm Width) Exposed Pad	Operating Temperature	-40°C ~ 85°C (TA)
-	Mounting Type	Surface Mount
	Package / Case	16-TSSOP (0.173", 4.40mm Width) Exposed Pad
Supplier Device Package 16-HTSSOP	Supplier Device Package	16-HTSSOP
Report errors		Report errors?

#### **TPS542951PWP 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 EUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

### **TPS542951PWP Payment Methods**



If you have any question about TPS542951PWP, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com