

# **TPS61042DRBT**

### **TPS61042DRBT Information**



Number	TPS61042DRBT	
ufacturer	Texas Instruments	
gory	Integrated Circuits (ICs) PMIC - LED Drivers	
ription	IC LED DRVR RGLTR DIM 60MA 8SON	
age	8-VDFN Exposed Pad	
	For the pricing/inventory/lead time, please contact us	
	Website: https://www.heisener.com	
	E-mail: salesdept@heisener.com	



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### **TPS61042DRBT** Specifications

Manufacturer Part NumberTPS61042DRBTManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)PackageS-VDFN Exposed PadSeries-TypeDC DC RegulatorTypologyStep-Up (Boost)Internal Switch(s)YesNumber of Outputs1Voltage - Supply (Man)1.8VVoltage - Output6VVoltage - Output27.5VCurrent - Output / Channel60mA (Switch)Frequency1MHzDimmingBacklightOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseSvito (Sa)		
Category Integrated Circuits (ICs)   PMIC - LED Drivers   Package 8-VDFN Exposed Pad   Series -   Type DCDC Regulator   Topology Step-Up (Boost)   Internal Switch(s) Yes   Number of Outputs 1   Voltage - Supply (Min) 1.8V   Voltage - Supply (Max) 6V   Voltage - Output 6.0mA (Switch)   Prequency MHz   Dimming Backlight   Applications Backlight   Operating Temperature -40°C ~ 85°C (TA)   Mounting Type Sviffse Adout   Package / Case Sviffse Adout	Manufacturer Part Number	TPS61042DRBT
HackagePMIC - LED DriversPackage8-VDFN Exposed PadSeries-TypeDC DC RegulatorTopologyStep-Up (Boost)Internal Switch(s)YesNumber of Outputs1Voltage - Supply (Min)1.8VVoltage - Supply (Max)6VVoltage - Output27.5VCurrent - Output / Channel60mA (Switch)FrequencyIMHzDimmingPWMApplicationsBacklightOperating Temperature-0°C ~ 85°C (TA)Mounting TypeSurDFN Exposed PadPackage / Case8-XDFN Exposed PadSupplier Device Package8-SON (3x3)	Manufacturer	Texas Instruments
Package8-VDFN Exposed PadSeries-TypeDCD RegulatorTopologyStep-Up (Boost)Internal Switch(s)YesNumber of Outputs1Voltage - Supply (Man)Sto-Um (Same)Voltage - OutputSto-Um (Same)Voltage - Output / ChannelSto-Sto-Sto-Sto-Sto-Sto-Sto-Sto-Sto-Sto-	Category	Integrated Circuits (ICs)
Series-TypeDC DC RegulatorTopologyStep-Up (Boost)Internal Switch(s)YesNumber of Outputs1Voltage - Supply (Min)1.8VVoltage - Supply (Max)6VVoltage - Output27.5VCurrent - Output / Channel60mA (Switch)Frequency1MHzDimningPWMApplicationsBacklightOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)		PMIC - LED Drivers
TypeDC DC RegulatorTopologyStep-Up (Boost)Internal Switch(s)YesNumber of Outputs1Voltage - Supply (Min)1.8VVoltage - Supply (Max)6VVoltage - Output27.5VCurrent - Output / Channel60mA (Switch)Frequency1MHzDimmingBacklightApplicationsScor (TA)Operating Temperature40°C ~ 85°C (TA)Nounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Package	8-VDFN Exposed Pad
Topology Step-Up (Boost)   Internal Switch(s) Yes   Number of Outputs 1   Voltage - Supply (Min) 1.8V   Voltage - Supply (Max) 6V   Voltage - Output 27.5V   Current - Output / Channel 60mA (Switch)   Frequency 1MHz   Dimming PWM   Applications Backlight   Operating Temperature 40°C ~ 85°C (TA)   Mounting Type Surface Mount   Package / Case 8-VDFN Exposed Pad   Supplier Device Package 8-SON (3x3)	Series	-
Internal Switch(s)YesNumber of Outputs1Number of Outputs1.8VVoltage - Supply (Min)6VVoltage - Output27.5VCurrent - Output / Channel60mA (Switch)Frequency1MHzDimmingPWMApplicationsBacklightOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Туре	DC DC Regulator
Number of Outputs1Voltage - Supply (Min)1.8VVoltage - Supply (Max)6VVoltage - Output27.5VCurrent - Output / Channel60mA (Switch)Frequency1MHzDimningPWMApplicationsBacklightOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Topology	Step-Up (Boost)
Voltage - Supply (Min)1.8VVoltage - Supply (Max)6VVoltage - Output27.5VCurrent - Output / Channel60mA (Switch)Frequency1MHzDimmingPWMApplicationsBacklightOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Internal Switch(s)	Yes
Voltage - Supply (Max)6VVoltage - Output27.5VCurrent - Output / Channel60mA (Switch)Frequency1MHzDimmingPWMApplicationsBacklightOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Number of Outputs	1
Voltage - Output27.5VCurrent - Output / Channel60mA (Switch)Frequency1MHzDimmingPWMApplicationsBacklightOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Voltage - Supply (Min)	1.8V
Current - Output / Channel60mA (Switch)Frequency1MHzDimmingPWMApplicationsBacklightOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Voltage - Supply (Max)	6V
FrequencyIMHzDinmingPWMApplicationsBacklightOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Voltage - Output	27.5V
DimmingPWMApplicationsBacklightOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Current - Output / Channel	60mA (Switch)
ApplicationsBacklightOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Frequency	1MHz
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Dimming	PWM
Mounting TypeSurface MountPackage / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Applications	Backlight
Package / Case8-VDFN Exposed PadSupplier Device Package8-SON (3x3)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package8-SON (3x3)	Mounting Type	Surface Mount
	Package / Case	8-VDFN Exposed Pad
Demonstration 2	Supplier Device Package	8-SON (3x3)
Report errors?		Report errors?

#### **TPS61042DRBT** 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.

### **TPS61042DRBT Payment Methods**





If you have any question about TPS61042DRBT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com