

TPS56628DDAR

TPS56628DDAR Information

WWW.Applanter		TPS56628DDAR Texas Instruments Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching	
	Description Package	Regulators IC REG BCK ADJ 6A SYNC 8SOPWRPAD 8-PowerSOIC (0.154", 3.90mm Width)	
For Reference Only		For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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TPS56628DDAR Specifications

Manufacturer Part Number TPS56628DDAR Manufacturer Texas Instruments Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Regulators PMIC - Voltage Regulators - DC DC Switching Regulators Package 8-PowerSOIC (0.154", 3.90mm Width) Series D-CAP2?, Eco-Mode? Function Step-Down Output Configuration Positive Topology Buck Output Type Adjustable Number of Outputs 1 Voltage - Input (Min) 4.5V Voltage - Output (Min/Fixed) 0.765V Voltage - Output (Min/Fixed) 5.5V Current - Output 6A Frequency - Switching 6A Synchronous Rectifier Yes Operating Temperature 4.0°C ~ 85°C (TA) Mounting Type 8-PowerSOIC (0.154", 3.90mm Width)		
CategoryIntegrated CircuitsCategoryIntegrated CircuitsPackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage8-PowerSOIC (0.154", 3.90mm Width)SeriesD-CAP2?, Eco-Mode?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableOutput Mini1Voltage - Input (Min)4.5VVoltage - Input (Min)18VVoltage - Output (Max)5.5VVoltage - Output (Max)5.5VCurrent - Output6AFrequency - Switching650kHzSynchronous RectifierYesOperating Temperature4-0°C ~ 85°C (TA)Mounting Type8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Manufacturer Part Number	TPS56628DDAR
HMC - Voltage Regulators - DC DC Switching RegulatorsPackage8-PowerSOIC (0.154", 3.90mm Width)SeriesD-CAP2?, Eco-Mode?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Input (Min/Fixed)0.765VVoltage - Output (Min/Fixed)5.5VCurrent - Output6AFrequency - Switching50kHzSynchronous Rectifier4.0°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)	Manufacturer	Texas Instruments
Package8-PowerSOIC (0.154", 3.90mm Width)SeriesD-CAP2?, Eco-Mode?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Output (Min/Fixed)0.765VVoltage - Output (Max)5.5VCurrent - Output6AFrequency - Switching650kHzSynchronous RectifierYesOutputing TypeSurface MountMounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Category	Integrated Circuits (ICs)
Series D-CAP2?, Eco-Mode? Function Step-Down Output Configuration Positive Topology Buck Output Type Adjustable Number of Outputs 1 Voltage - Input (Min) 4.5V Voltage - Output (Max) 18V Voltage - Output (Min/Fixed) 0.765V Voltage - Output (Max) 5.5V Current - Output 6A Synchronous Rectifier SoShHz Synchronous Rectifier -40°C ~ 85°C (TA) Mounting Type Surface Mount PowerSOIC (0.154", 3.90mm Width) Sop PowerPad		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Input (Min/Fixed)18VVoltage - Output (Min/Fixed)0.765VVoltage - Output (Max)5.5VCurrent - Output6AFrequency - Switching50kHzSynchronous Rectifier4.0°C ~ 85°C (TA)Mounting TypeSer Output (Min/Fixed)Package / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Package	8-PowerSOIC (0.154", 3.90mm Width)
Output ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Input (Min/Fixed)18VVoltage - Output (Min/Fixed)0.765VVoltage - Output (Max)5.5VCurrent - Output6AFrequency - Switching650kHzSynchronous RectifierYesOperating Temperature4.0°C ~ 85°C (TA)Mounting Type8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Series	D-CAP2?, Eco-Mode?
TopologyBuckOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.765VVoltage - Output (Max)5.5VCurrent - Output6AFrequency - Switching50kHzOperating Temperature-40°C ~85°C (TA)Mounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Function	Step-Down
Output TypeAdjustableOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.765VVoltage - Output (Max)5.5VCurrent - Output6AFrequency - Switching650kHzSynchronous Rectifier-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Output Configuration	Positive
Number of OutputsINumber of Outputs1Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.765VVoltage - Output (Max)5.5VCurrent - Output6AFrequency - Switching650kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Topology	Buck
Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.765VVoltage - Output (Max)5.5VCurrent - Output6AFrequency - Switching650kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting Type8-PowerSOIC (0.154", 3.90mm Width)Package / Case8-SO PowerPad	Output Type	Adjustable
Voltage - Input (Max)18VVoltage - Output (Min/Fixed)0.765VVoltage - Output (Max)5.5VCurrent - Output6AFrequency - Switching650kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Number of Outputs	1
Voltage - Output (Min/Fixed)0.765VVoltage - Output (Max)5.5VCurrent - Output6AFrequency - Switching650kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Voltage - Input (Min)	4.5V
Voltage - Output (Max)5.5VCurrent - Output6AFrequency - Switching650kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Voltage - Input (Max)	18V
Current - Output6AFrequency - Switching650kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Voltage - Output (Min/Fixed)	0.765V
Frequency - Switching650kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Voltage - Output (Max)	5.5V
Synchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Current - Output	6A
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Frequency - Switching	650kHz
Mounting TypeSurface MountPackage / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Synchronous Rectifier	Yes
Package / Case8-PowerSOIC (0.154", 3.90mm Width)Supplier Device Package8-SO PowerPad	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 8-SO PowerPad	Mounting Type	Surface Mount
	Package / Case	8-PowerSOIC (0.154", 3.90mm Width)
Report error	Supplier Device Package	8-SO PowerPad
		Report errors?

TPS56628DDAR 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

Service Guarantees

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

TPS56628DDAR Payment Methods



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