

TPS65580PWPR

a Quote

TPS65580PWPR Information

Presenter and a second second	Part Number	TPS65580PWPR	
	Manufacturer	Texas Instruments	121 3
	Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Regulators	
	Description	IC REG BUCK ADJ TRPL 20HTSSOP	i i Ch
	Package	20-TSSOP (0.173", 4.40mm Width) Exposed Pad	
or Reference Only		For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Reque

Certified Quality

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TPS65580PWPR Specifications

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage20-TSSOP (0.173", 4.40mm Width) Exposed PadSeries0-CAP2?FunctionStep-DownOutput ConfigurationStep-DownOutput ConfigurationBuckOutput TypeAdjustableNumber of Outputs3Voltage - Input (Min/)18VVoltage - Output (Min/Fixed)7VVoltage - Output (Min/Fixed)7VVoltage - Output (Min/Fixed)15A, 2.5AVoltage - Switching70kHzSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Mounting TypeSura Goutput, 14.40mm Width) Exposed Pad			
CategoryIntegrated Circuits (ICs)Package20-TSSOP (0.173", 4.40mm Width) Exposed PadPackage20-TSSOP (0.173", 4.40mm Width) Exposed PadSeriesD-CAP2?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs3Voltage - Input (Min)4.5VVoltage - Input (Min)18VVoltage - Output (Min/Fixed)0.764VVoltage - Output (Min/Fixed)7VCurrent - Output1.5A, 2.5AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature4.0°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Manufacturer Part Number	TPS65580PWPR	
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage20-TSSOP (0.173", 4.40mm Width) Exposed PadSeriesD-CAP2?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs3Voltage - Input (Min)4.5VVoltage - Input (Min/Fixed)0.764VVoltage - Output (Min/Fixed)0.764VVoltage - Output (Max)7VCurrent - Output1.5A, 2.5AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Manufacturer	Texas Instruments	
Package20-TSSOP (0.173", 4.40mm Width) Exposed PadSeriesD-CAP2?FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs3Voltage - Input (Min)4.5VVoltage - Output (Min/Fixed)0.764VVoltage - Output (Max)TVCurrent - Output1.5A, 2.5AFrequency - SwitchingYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Category	Integrated Circuits (ICs)	
Series D-CAP2? Function Step-Down Output Configuration Positive Topology Buck Output Type Adjustable Number of Outputs 3 Voltage - Input (Min) 4.5V Voltage - Input (Max) 18V Voltage - Output (Max) 0.764V Voltage - Output (Max) 7V Current - Output 1.5A, 2.5A Frequency - Switching 700kHz Synchronous Rectifier Yes Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 20-TSSOP (0.173", 4.40mm Width) Exposed Pad		PMIC - Voltage Regulators - DC DC Switching Regulators	
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeAdjustableOutput Type3Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.764VVoltage - Output (Max)7VCurrent - Output1.5A, 2.5AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature440°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Package	20-TSSOP (0.173", 4.40mm Width) Exposed Pad	
Output ConfigurationPositiveTopologyBuckOutput TypeAdjustableNumber of Outputs3Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.764VVoltage - Output (Max)7VCurrent - Output1.5A, 2.5AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature4.0°C ~ 85°C (TA)Mounting Type20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Series	D-CAP2?	
TopologyBuckOutput TypeAdjustableNumber of Outputs3Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.764VVoltage - Output (Max)7VCurrent - Output1.5A, 2.5AFrequency - Switching700kHzSynchronous Rectifier-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Function	Step-Down	
Output TypeAdjustableNumber of Outputs3Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.764VVoltage - Output (Max)7VCurrent - Output1.5A, 2.5AFrequency - Switching700kHzSynchronous Rectifier-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Output Configuration	Positive	
Number of Outputs3Voltage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.764VVoltage - Output (Max)7VCurrent - Output (Max)7VCurrent - Output1.5A, 2.5AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Topology	Buck	
Notage - Input (Min)4.5VVoltage - Input (Max)18VVoltage - Output (Min/Fixed)0.764VVoltage - Output (Max)7VCurrent - Output1.5A, 2.5AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Output Type	Adjustable	
Voltage - Input (Max)18VVoltage - Output (Min/Fixed)0.764VVoltage - Output (Max)7VCurrent - Output1.5A, 2.5AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Number of Outputs	3	
Voltage - Output (Min/Fixed)0.764VVoltage - Output (Max)7VCurrent - Output1.5A, 2.5AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Voltage - Input (Min)	4.5V	
Voltage - Output (Max)7VCurrent - Output1.5A, 2.5AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Voltage - Input (Max)	18V	
Current - Output1.5A, 2.5AFrequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Voltage - Output (Min/Fixed)	0.764V	
Frequency - Switching700kHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Voltage - Output (Max)	7V	
Synchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Current - Output	1.5A, 2.5A	
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Frequency - Switching	700kHz	
Mounting TypeSurface MountPackage / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Synchronous Rectifier	Yes	
Package / Case20-TSSOP (0.173", 4.40mm Width) Exposed Pad	Operating Temperature	-40°C ~ 85°C (TA)	
	Mounting Type	Surface Mount	
Supplier Device Package 20-HTSSOP	Package / Case	20-TSSOP (0.173", 4.40mm Width) Exposed Pad	
	Supplier Device Package	20-HTSSOP	
Report errors?		Report errors?	

TPS65580PWPR 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.

TPS65580PWPR Payment Methods



If you have any question about TPS65580PWPR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com