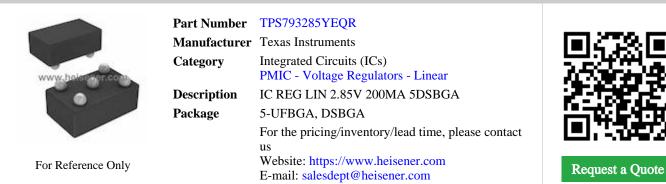


# TPS793285YEQR

#### **TPS793285YEQR Information**



## **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.



## **TPS793285YEQR Specifications**

Anumentation     Texas Instruments       Category     Integrated Circuits (ICs)       PMIC - Voltage Regulators - Linear       Package     5-UFBGA, DSBGA       Series     -       Dutput Configuration     Positive       Dutput Configuration     Fixed       Voltage - Input (Max)     5.5V       Voltage - Output (Max)     5.5V       Voltage - Output (Max)     2.85V       Voltage - Output (Max)     -       Current - Output     200mA       Current - Output     200mA       Current - Quiescent (Iq)     -       Current - Supply (Max)     220µA       PSRR     70dB ~ 43dB (100Hz ~ 100kHz)       Control Features     Enable       Protection Features     Over Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)       Operating Temperature     -40°C ~ 125°C       Mounting Type     S-UFBGA, DSBGA <th></th> <th></th>		
CategoryIntegrated Circuits (ICs)PackageFMIC - Voltage Regulators - LinearPackageS-UFBGA, DSBGASeries-Output ConfigurationPositiveDutput ConfigurationFixedOutput TypeFixedVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.85VVoltage - Output (Max)-Output Output (Max)0.2V @ 200mAVoltage - Output (Max)0.2V @ 200mACurrent - Output200mACurrent - Output200mACurrent - Quiescent (Iq)-SerR70dB ~ 43dB (100Hz ~ 100kHz)Control FeaturesGover Current, Oueptature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / Case5.UFBGA, DSBGASupplier Device Package5.DSBGA NanoStar?	Manufacturer Part Number	TPS793285YEQR
PMC - Voltage Regulators - LinearPackage5-UFBGA, DSBGASeries-Dutput ConfigurationPositiveDutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VSoltage - Output (Min/Fixed)2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)-Current - Supply (Max)220µAPSRR70dB ~ 43dB (100Hz ~ 100kHz)Protection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature440°C ~ 125°CMounting Type5.DSBGA NanoStar?	Manufacturer	Texas Instruments
Ackage5-UFBGA, DSBGASeries-Dutput ConfigurationPositiveDutput ConfigurationFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.85VVoltage - Output (Max)-Voltage - Output (Max)0.2V @ 200mACurrent - Output200mACurrent - Output200mACurrent - Quiescent (Iq)-Current - Supply (Max)20µAPSRR70dB ~ 43dB (100Hz ~ 100kHz)Protection FeaturesGover Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Portating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / Case5.UFBGA, DSBGASupplier Device Package5.DSBGA NanoStar?	Category	Integrated Circuits (ICs)
Series-Dutput ConfigurationPositiveDutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.85VVoltage - Output (Max)-Voltage - Output (Max)0.2V @ 200mAVoltage Dropout (Max)0.2V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)-Current - Supply (Max)20µAPotection FeaturesMode A 43dB (100Hz ~ 100kHz)Protection FeaturesMode Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 125°CMounting TypeSufface MountPackage / Case5-UFBGA, DSBGASupplier Device Package5-DSBGA NanoStar?		PMIC - Voltage Regulators - Linear
Duput ConfigurationPositiveDuput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.85VVoltage - Output (Max).Voltage - Output (Max)0.2V @ 200mAVoltage Dropout (Max)0.2V @ 200mACurrent - Output200mACurrent - Output200mACurrent - Supply (Max)2.9uAPSRR70B ~ 43dB (100Hz ~ 100kHz)Portection FeaturesGover Current, Quever Control, Voltage Lockout (UVLO)Operating Temperature4.0°C ~ 125°CMounting Type5.UFBGA, DSBGASupplier Device Package5.DSBGA NanoStar?	Package	5-UFBGA, DSBGA
Dutput TypeFixedSumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.85VVoltage - Output (Max)-Voltage - Output (Max)0.2V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)-Current - Supply (Max)20µAPSRR70dB ~ 43dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 125°CMounting TypeSurface MountSupplier Device Package5-DSBGA NanoStar?	Series	-
Number of Regulators     1       Voltage - Input (Max)     5.5V       Voltage - Output (Min/Fixed)     2.85V       Voltage - Output (Max)     -       Voltage - Output (Max)     0.2V @ 200mA       Voltage Dropout (Max)     0.2V @ 200mA       Current - Output     200mA       Current - Quiescent (Iq)     -       20pSRR     70dB ~ 43dB (100Hz ~ 100kHz)       Control Features     Dver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)       Operating Temperature     40°C ~ 125°C       Mounting Type     Surface Mount       Package / Case     5-UFBGA, DSBGA       Supplier Device Package     5-DSBGA NanoStar?	Output Configuration	Positive
Voltage - Input (Max)     5.5V       Voltage - Output (Min/Fixed)     2.85V       Voltage - Output (Max)     -       Voltage Dropout (Max)     0.2V @ 200mA       Current - Output     200mA       Current - Output     200mA       Current - Quiescent (Iq)     -       Current - Supply (Max)     220µA       PSRR     70dB ~ 43dB (100Hz ~ 100kHz)       Control Features     Enable       Protection Features     Over Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)       Operating Temperature     440°C ~ 125°C       Mounting Type     Surface Mount       Package / Case     5-UFBGA, DSBGA       Supplier Device Package     5-DSBGA NanoStar?	Output Type	Fixed
Voltage - Output (Min/Fixed)2.85VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)-Current - Supply (Max)220µAPSRR70dB ~ 43dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case5-UFBGA, DSBGASupplier Device Package5-DSBGA NanoStar?	Number of Regulators	1
Voltage - Output (Max)-Voltage Dropout (Max)0.2V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)-Current - Supply (Max)220μA2SRR70dB ~ 43dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case5-UFBGA, DSBGASupplier Device Package5-DSBGA NanoStar?	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)0.2V @ 200mACurrent - Output200mACurrent - Quiescent (Iq)-Current - Supply (Max)220µAPSRR70dB ~ 43dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case5-UFBGA, DSBGASupplier Device Package5-DSBGA NanoStar?	Voltage - Output (Min/Fixed)	2.85V
Current - Output200mACurrent - Quiescent (Iq)-Current - Supply (Max)220μAPSRR70dB ~ 43dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case5-UFBGA, DSBGASupplier Device Package5-DSBGA NanoStar?	Voltage - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)220μA2SRR70dB ~ 43dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case5-UFBGA, DSBGASupplier Device Package5-DSBGA NanoStar?	Voltage Dropout (Max)	0.2V @ 200mA
Current - Supply (Max)220μAPSRR70dB ~ 43dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case5-UFBGA, DSBGASupplier Device Package5-DSBGA NanoStar?	Current - Output	200mA
PSRR70dB ~ 43dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case5-UFBGA, DSBGASupplier Device Package5-DSBGA NanoStar?	Current - Quiescent (Iq)	
Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case5-UFBGA, DSBGASupplier Device Package5-DSBGA NanoStar?	Current - Supply (Max)	220µA
Protection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case5-UFBGA, DSBGASupplier Device Package5-DSBGA NanoStar?	PSRR	70dB ~ 43dB (100Hz ~ 100kHz)
Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case5-UFBGA, DSBGASupplier Device Package5-DSBGA NanoStar?	Control Features	Enable
Mounting TypeSurface MountPackage / Case5-UFBGA, DSBGASupplier Device Package5-DSBGA NanoStar?	Protection Features	Over Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)
Package / Case 5-UFBGA, DSBGA   Supplier Device Package 5-DSBGA NanoStar?	Operating Temperature	-40°C ~ 125°C
Supplier Device Package 5-DSBGA NanoStar?	Mounting Type	Surface Mount
	Package / Case	5-UFBGA, DSBGA
Report errors?	Supplier Device Package	5-DSBGA NanoStar?
		Report errors?

#### **TPS793285YEQR** 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.

#### **TPS793285YEQR Payment Methods**



If you have any question about TPS793285YEQR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com