

# TPS78630KTTRG3

#### **TPS78630KTTRG3 Information**



For Reference Only

Part Number	TPS78630KTTRG3
Manufacturer	Texas Instruments
Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear
Description	IC REG LIN 3V 1.5A DDPAK/TO263-5
Package	TO-263-6, D2Pak (5 Leads + Tab), TO-263BA
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **TPS78630KTTRG3 Specifications**

Manufacturer Texas Instruments   Manufacturer Texas Instruments   Category Integrated Circuits (ICs)   PMIC - Voltage Regulators - Linear   Package TO-263-6, D2Pak (5 Leads + Tab), TO-263BA   Series -   Output Configuration Positive   Output Type Fixed   Number of Regulators 1   Voltage - Input (Max) 5.5V   Voltage - Output (Min/Fixed) 3V   Voltage - Output (Max) -   Voltage - Output (Max) .   Voltage Dropout (Max) 0.55V @ 1.5A   Current - Output 1.5A   Current - Quiescent (Iq) -   Current - Quiescent (Iq) .   Control Features Sogla ~ 32dB (100Hz ~ 100kHz)   PSRR 59dB ~ 32dB (100Hz ~ 100kHz)   Control Features Over Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)   Operating Temperature 40°C ~ 125°C <t< th=""><th></th><th></th></t<>		
CategoryIntegrated Circuits (ICs)PAIC - Voltage Regulators - LinearPackageTO-263-6, D2Pak (5 Leads + Tab), TO-263BASeries-Output ConfigurationPositiveOutput ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage - Output (Max)0.55V @ 1.5ACurrent - Output0.55V @ 1.5ACurrent - Output385µASuplaer Supply (Max)Stable (100Hz ~ 100kHz)PSRR50Hs ~ 32dB (100Hz ~ 100kHz)Protection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Manufacturer Part Number	TPS78630KTTRG3
PMIC - Voltage Regulators - LinearPackageTO-263-6, D2Pak (5 Leads + Tab), TO-263BASeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.55V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)385µAPSRR59dB ~ 32dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Manufacturer	Texas Instruments
PackageTO-263-6, D2Pak (5 Leads + Tab), TO-263BASeries-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage - Output (Max)-Voltage - Output (Max)0.55V @ 1.5AVoltage Dropout (Max)0.55V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-StapA385µAPSRR59dB ~ 32dB (100Hz ~ 100kHz)Protection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / CaseDDPAK/TO-263-5	Category	Integrated Circuits (ICs)
Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage - Output (Max)0.55V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)385µAPSRR59dB ~ 32dB (100Hz ~ 100kHz)Control FeaturesFoableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseDDPAK/TO-263-5		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage - Output (Max)0.55V @ 1.5AVoltage Dropout (Max)0.55V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)385µAPSRR59dB ~ 32dB (100Hz ~ 100Hz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Package	TO-263-6, D2Pak (5 Leads + Tab), TO-263BA
Output Type Fixed   Number of Regulators 1   Voltage - Input (Max) 5.5V   Voltage - Output (Min/Fixed) 3V   Voltage - Output (Max) -   Voltage Dropout (Max) 0.55V @ 1.5A   Current - Output 1.5A   Current - Quiescent (Iq) -   Voltage Name S9B ~ 32dB (100Hz ~ 100kHz)   PSRR 59dB ~ 32dB (100Hz ~ 100kHz)   Control Features Over Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)   Operating Temperature -40°C ~ 125°C   Mounting Type Surface Mount   Package / Case TO-263-6, D2Pak (5 Leads + Tab), TO-263BA   Supplier Device Package DDPAK/TO-263-5	Series	-
Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage - Output (Max)0.55V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)385µAPSRR59dB ~ 32dB (100Hz ~ 100kHz)Control FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Output Configuration	Positive
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.55V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)385µAPSRR59dB ~ 32dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseDDPAK/TO-263-5	Output Type	Fixed
Voltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.55V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)385µAPSRR59dB ~ 32dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Number of Regulators	1
Voltage - Output (Max)-Voltage Dropout (Max)0.55V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)385μAPSRR59dB ~ 32dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Voltage - Input (Max)	5.5V
Voltage Dropout (Max)0.55V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)385μAPSRR59dB ~ 32dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Voltage - Output (Min/Fixed)	3V
Current - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)385μAPSRR59dB ~ 32dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Voltage - Output (Max)	-
Current - Quiescent (Iq)-Current - Supply (Max)385μAPSRR59dB ~ 32dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Voltage Dropout (Max)	0.55V @ 1.5A
Current - Supply (Max)385μAPSRR59dB ~ 32dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Current - Output	1.5A
PSRR59dB ~ 32dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Current - Quiescent (Iq)	-
Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Current - Supply (Max)	385µA
Protection FeaturesOver Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	PSRR	59dB ~ 32dB (100Hz ~ 100kHz)
Operating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Control Features	Enable
Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Protection Features	Over Current, Over Temperature, Reverse Polarity, Under Voltage Lockout (UVLO)
Package / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device PackageDDPAK/TO-263-5	Operating Temperature	$-40^{\circ}$ C ~ $125^{\circ}$ C
Supplier Device PackageDDPAK/TO-263-5	Mounting Type	Surface Mount
	Package / Case	TO-263-6, D2Pak (5 Leads + Tab), TO-263BA
Report errors?	Supplier Device Package	DDPAK/TO-263-5
		Report errors?

#### **TPS78630KTTRG3** 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.

### **TPS78630KTTRG3 Payment Methods**





If you have any question about TPS78630KTTRG3, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com