

# LM4050QCIM3X4.1/NOPB

# LM4050QCIM3X4.1/NOPB Information



For Reference Only

Part Number LM4050QCIM3X4.1/NOPB

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Voltage Reference

**Description** IC VREF SHUNT 4.096V SOT23-3

**Package** TO-236-3, SC-59, SOT-23-3

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **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.









# LM4050QCIM3X4.1/NOPB Specifications

Manufacturer Part Number         LM4050QCIM3X4.1/NOPB           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           PACKAGE         TO-236-3, SC-59, SOT-23-3           Series         Automotive, AEC-Q100           Reference Type         Shunt           Output Type         Fixed           Voltage - Output (Min/Fixed)         4.096V           Voltage - Output (Max)         -           Current - Output         15mA           Tolerance         ±0.5%           Temperature Coefficient         50ppm/°C           Noise - 0.1Hz to 10Hz         93μVrms           Voltage - Input         -           Current - Supply         -           Current - Supply         -           Current - Cathode         73μA           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3		
Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         TO-236-3, SC-59, SOT-23-3           Series         Automotive, AEC-Q100           Reference Type         Shunt           Output Type         Fixed           Voltage - Output (Min/Fixed)         4.096V           Voltage - Output (Max)         -           Current - Output         15mA           Tolerance         ±0.5%           Temperature Coefficient         50ppm/°C           Noise - 0.Hz to 10Hz         -           Noise - 10Hz to 10kHz         93μVrms           Voltage - Input         -           Current - Supply         -           Current - Cathode         73μA           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3	Manufacturer Part Number	LM4050QCIM3X4.1/NOPB
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Output TypeFixedVoltage - Output (Min/Fixed) $4.096V$ Voltage - Output (Max)-Current - Output $15mA$ Tolerance $\pm 0.5\%$ Temperature Coefficient $50ppm/^{\circ}C$ Noise - $0.1Hz$ to $10Hz$ -Noise - $10Hz$ to $10kHz$ $93\mu Vrms$ Voltage - Input-Current - Supply-Current - Cathode $73\mu A$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Series	Automotive, AEC-Q100
Voltage - Output (Min/Fixed)       4.096V         Voltage - Output (Max)       -         Current - Output       15mA         Tolerance       ±0.5%         Temperature Coefficient       50ppm/°C         Noise - 0.1Hz to 10Hz       -         Noise - 10Hz to 10kHz       93μVrms         Voltage - Input       -         Current - Supply       -         Current - Cathode       73μA         Operating Temperature       -40°C ~ 125°C (TA)         Mounting Type       Surface Mount         Package / Case       TO-236-3, SC-59, SOT-23-3         Supplier Device Package       SOT-23-3	Reference Type	Shunt
Voltage - Output (Max)       -         Current - Output       15mA         Tolerance       ±0.5%         Temperature Coefficient       50ppm/°C         Noise - 0.1Hz to 10Hz       -         Noise - 10Hz to 10kHz       93μVrms         Voltage - Input       -         Current - Supply       -         Current - Cathode       73μA         Operating Temperature       -40°C ~ 125°C (TA)         Mounting Type       Surface Mount         Package / Case       TO-236-3, SC-59, SOT-23-3         Supplier Device Package       SOT-23-3	Output Type	Fixed
Current - Output $15 mA$ Tolerance $\pm 0.5\%$ Temperature Coefficient $50 ppm/^{\circ}C$ Noise - $0.1 Hz$ to $10 Hz$ -Noise - $10 Hz$ to $10 kHz$ $93 \mu Vrms$ Voltage - Input-Current - Supply-Current - Cathode $73 \mu A$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Voltage - Output (Min/Fixed)	4.096V
Tolerance ±0.5%  Temperature Coefficient 50ppm/°C  Noise - 0.1Hz to 10Hz -  Noise - 10Hz to 10kHz 93μVrms  Voltage - Input -  Current - Supply -  Current - Cathode 73μA  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Voltage - Output (Max)	-
Temperature Coefficient  Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  93μVrms  Voltage - Input  - Current - Supply  Current - Cathode  73μA  Operating Temperature  40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Current - Output	15mA
Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz93μVrmsVoltage - Input-Current - Supply-Current - Cathode $73μA$ Operating Temperature $-40$ °C ~ $125$ °C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Tolerance	±0.5%
Noise - 10Hz to 10kHz93μVrmsVoltage - Input-Current - Supply-Current - Cathode73μAOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Temperature Coefficient	50ppm/°C
Voltage - Input-Current - Supply-Current - Cathode $73μA$ Operating Temperature $-40°C ~ 125°C (TA)$ Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Noise - 0.1Hz to 10Hz	-
Current - Supply-Current - Cathode $73\mu A$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Noise - 10Hz to 10kHz	93µVrms
Current - Cathode $73\mu A$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23-3	Voltage - Input	-
Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package  SOT-23-3	Current - Supply	-
Mounting Type Surface Mount Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23-3	Current - Cathode	73μΑ
Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23-3	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package SOT-23-3	Mounting Type	Surface Mount
	Package / Case	TO-236-3, SC-59, SOT-23-3
Report errors?	Supplier Device Package	SOT-23-3
		Report errors?

## LM4050QCIM3X4.1/NOPB 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.

## LM4050QCIM3X4.1/NOPB Payment Methods



















# LM4050QCIM3X4.1/NOPB Shipping Methods













If you have any question about LM4050QCIM3X4.1/NOPB, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com