



MMA8652FCR1 Information

Part Number MMA8652FCR1

Manufacturer NXP

Category Sensors, Transducers

Motion Sensors - Accelerometers

Description ACCELEROMETER 2-8G I2C 10DFN

Package 10-VFDFN

For the pricing/inventory/lead time, please contact

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MMA8652FCR1 Specifications

Manufacturer Part Number MMA8652FCR1 Manufacturer NXP Category Sensors, Transducers Package 10-VFDFN Series - Type Digital Axis X, Y, Z Acceleration Range ±2g, 4g, 8g Sensitivity (LSB/g) 1024 (±2g) ~ 256 (±8g) Sensitivity (mV/g) - Bandwidth 0.78Hz ~ 400Hz Output Type 12C Voltage - Supply 1.95 V ~ 3.6 V Features Sleep Mode Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 10-VFDFN Supplier Device Package 10-DFN (2x2)	•	
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Type Digital X, Y, Z Acceleration Range $\pm 2g, 4g, 8g$ Sensitivity (LSB/g) $1024 (\pm 2g) \sim 256 (\pm 8g)$ Sensitivity (mV/g) $-$ Bandwidth 0.78 Hz ~ 400 Hz Output Type $12C$ Voltage - Supply $1.95 \text{ V} \sim 3.6 \text{ V}$ Features $1.95 \text{ V} \sim 3.6 \text{ V}$ Features $1.95 \text{ V} \sim 3.6 \text{ V}$ Mounting Type $1.95 \text{ V} \sim 3.6 \text{ V}$ Mounting Type $1.95 \text{ V} \sim 3.6 \text{ V}$ Surface Mount $1.95 \text{ V} \sim 3.6 \text{ V}$ For a supply $1.95 \text{ V} \sim 3.6 \text{ V}$ Supplier Device Package $1.95 \text{ V} \sim 3.6 \text{ V}$	Package	10-VFDFN
Axis X, Y, Z Acceleration Range $\pm 2g, 4g, 8g$ Sensitivity (LSB/g) $1024 (\pm 2g) \sim 256 (\pm 8g)$ Sensitivity (mV/g) $-$ Bandwidth 0.78 Hz ~ 400 Hz Output Type $12C$ Voltage - Supply $1.95 \text{ V} \sim 3.6 \text{ V}$ Features $Sleep$ Mode Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Mounting Type $Surface$ Mount Package / Case $10-\text{VFDFN}$ Supplier Device Package $10-\text{DFN}$ (2x2)	Series	-
Acceleration Range $\pm 2g$, $4g$, $8g$ Sensitivity (LSB/g) $1024 (\pm 2g) \sim 256 (\pm 8g)$ Sensitivity (mV/g) $-$ Bandwidth 0.78 Hz ~ 400 Hz Output Type I2C Voltage - Supply 1.95 V ~ 3.6 V Features Sleep Mode Operating Temperature -40° C $\sim 85^{\circ}$ C (TA) Mounting Type Surface Mount Package / Case $10-$ VFDFN Supplier Device Package $10-$ DFN (2x2)	Туре	Digital
Sensitivity (LSB/g) $1024 (\pm 2g) \sim 256 (\pm 8g)$ Sensitivity (mV/g) $-$ Bandwidth $0.78 \text{Hz} \sim 400 \text{Hz}$ Output Type $12C$ Voltage - Supply $1.95 \text{ V} \sim 3.6 \text{ V}$ Features $Sleep \text{ Mode}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$ Mounting Type $Surface \text{ Mount}$ Package / Case $10-\text{VFDFN}$ Supplier Device Package $10-\text{DFN (2x2)}$	Axis	X, Y, Z
Sensitivity (mV/g) - Bandwidth 0.78 Hz ~ 400 Hz Output Type I2C Voltage - Supply 1.95 V ~ 3.6 V Features Sleep Mode Operating Temperature -40° C $\sim 85^{\circ}$ C (TA) Mounting Type Surface Mount Package / Case 10 -VFDFN Supplier Device Package 10 -DFN $(2x2)$	Acceleration Range	$\pm 2g, 4g, 8g$
Bandwidth 0.78Hz ~ 400Hz Output Type I2C Voltage - Supply 1.95 V ~ 3.6 V Features Sleep Mode Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 10-VFDFN Supplier Device Package 10-DFN (2x2)	Sensitivity (LSB/g)	1024 (±2g) ~ 256 (±8g)
Output TypeI2CVoltage - Supply $1.95 \text{ V} \sim 3.6 \text{ V}$ FeaturesSleep ModeOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting TypeSurface MountPackage / Case 10-VFDFN Supplier Device Package 10-DFN (2x2)	Sensitivity (mV/g)	-
Voltage - Supply 1.95 V ~ 3.6 V Features Sleep Mode Operating Temperature -40°C ~ 85°C (TA) Mounting Type Surface Mount Package / Case 10-VFDFN Supplier Device Package 10-DFN (2x2)	Bandwidth	0.78Hz ~ 400Hz
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Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting TypeSurface MountPackage / Case 10-VFDFN Supplier Device Package 10-DFN (2x2)	Voltage - Supply	1.95 V ~ 3.6 V
Mounting Type Surface Mount Package / Case 10-VFDFN Supplier Device Package 10-DFN (2x2)	Features	Sleep Mode
Package / Case 10-VFDFN Supplier Device Package 10-DFN (2x2)	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 10-DFN (2x2)	Mounting Type	Surface Mount
	Package / Case	10-VFDFN
Report errors?	Supplier Device Package	10-DFN (2x2)
		Report errors?

MMA8652FCR1 Guarantees



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MMA8652FCR1 Shipping Methods













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