

# MIC2202BML

### **MIC2202BML Information**

	Part Number	MIC2202BML	
	Manufacturer	Microchip Technology	EN2+25EN
	Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Regulators	
	Description	IC REG BUCK ADJ 0.6A SYNC 10MLF	1.307528
	Package	10-VFDFN Exposed Pad, 10-MLF?	m X 78-16
		For the pricing/inventory/lead time, please contact	12112216-240
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

# **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.



# **MIC2202BML Specifications**

ManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage10-VFDFN Exposed Pad, 10-MLF?Series-FunctionStep-DownDutput ConfigurationKosi vePoologyBuckDutput TypeAdjustableVoltage - Input (Man).3VVoltage - Input (Man).5VVoltage - Output (Mar).5VVoltage - Output (Mar).5VCurrent - Output.5VCurrent - Output.5VCurrent - Output.5VCurrent - Output.5VCurrent - Output.60mASynchronous RectifierYesOperating Temperature.40°C ~ 125°C (TJ)Package / Case.0-VFDFN Exposed Pad, 10-MLF?	-	
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage10-VFDFN Exposed Pad, 10-MLF?Series-FunctionStep-DownDutput ConfigurationPositivePoologyBuckDutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.3VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)5.5VCurrent - Output600mACurrent - Output600mASynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Manufacturer Part Number	MIC2202BML
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage10-VFDFN Exposed Pad, 10-MLF?Series-FunctionStep-DownDutput ConfigurationPositiveFopologyBuckDutput TypeAdjustableOutput Type1Voltage - Input (Min)2.3VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Min/Fixed)5.5VCurrent - Output600mACurrent - Output600mASynchronous RectifierYesOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Manufacturer	Microchip Technology
Package10-VFDFN Exposed Pad, 10-MLF?Series-FunctionStep-DownDutput ConfigurationPositivePoologyBuckDutput TypeAdjustableDutput Outputs1Voltage - Input (Min)2.3VVoltage - Input (Min)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Max)5.5VSoperating Temperature600mASynchronous RectifierYesOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Category	Integrated Circuits (ICs)
Series-FunctionStep-DownDutput ConfigurationPositiveTopologyBuckDutput TypeAdjustableDutput Type1Voltage - Input (Min)2.3VVoltage - Input (Min/Fixed)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Max)5.5VSynchronous Rectifier600mAFrequency - Switching2MHzOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownDutput ConfigurationPositiveProplogyBuckDutput TypeAdjustableDutput Type1Voltage - Input (Min)2.3VVoltage - Input (Min/Fixed)5.5VVoltage - Output (Max)5.5VVoltage - Output (Max)600mACurrent - Output600mAFrequency - SwitchingYesOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VEDFN Exposed Pad, 10-MLF?Synplier Device Package10-MLF? (3x3)	Package	10-VFDFN Exposed Pad, 10-MLF?
Dutput ConfigurationPositiveDoutput ConfigurationBuckDutput TypeAdjustableDutput Type1Number of Outputs1Voltage - Input (Min)2.3VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Max)5.5VCurrent - Output600mACurrent - OutputYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VLFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Series	-
FopologyBuckDutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)2.3VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Max)5.5VSurrent - Output600mAFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Function	Step-Down
Output Type Adjustable   Number of Outputs 1   Voltage - Input (Min) 2.3V   Voltage - Input (Max) 5.5V   Voltage - Output (Min/Fixed) 0.5V   Voltage - Output (Max) 5.5V   Current - Output 600mA   Current - Output 600mA   Synchronous Rectifier Yes   Operating Temperature -40°C ~ 125°C (TJ)   Mounting Type Surface Mount   Package / Case 10-VFDFN Exposed Pad, 10-MLF?   Supplier Device Package 10-MLF? (3x3)	Output Configuration	Positive
Number of Outputs1Voltage - Input (Min)2.3VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Max)5.5VCurrent - Output600mAFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Topology	Buck
Voltage - Input (Min)2.3VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Max)5.5VCurrent - Output600mAFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Output Type	Adjustable
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)0.5VVoltage - Output (Max)5.5VCurrent - Output600mACurrent - Output2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Number of Outputs	1
Voltage - Output (Min/Fixed)0.5VVoltage - Output (Max)5.5VCurrent - Output600mAFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Voltage - Input (Min)	2.3V
Voltage - Output (Max)5.5VCurrent - Output600mAFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Voltage - Input (Max)	5.5V
Current - Output600mAFrequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Voltage - Output (Min/Fixed)	0.5V
Frequency - Switching2MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Voltage - Output (Max)	5.5V
Synchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Current - Output	600mA
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Frequency - Switching	2MHz
Mounting TypeSurface MountPackage / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Synchronous Rectifier	Yes
Package / Case10-VFDFN Exposed Pad, 10-MLF?Supplier Device Package10-MLF? (3x3)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package10-MLF? (3x3)	Mounting Type	Surface Mount
	Package / Case	10-VFDFN Exposed Pad, 10-MLF?
Report errors?	Supplier Device Package	10-MLF? (3x3)
		Report errors?

#### **MIC2202BML 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.

#### **MIC2202BML Payment Methods**



# **MIC2202BML Shipping Methods**



If you have any question about MIC2202BML, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com