



IRU1010CY Information



For Reference Only

Part Number IRU1010CY

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR POS ADJ 1A SOT223

Package TO-261-4, TO-261AA

For the pricing/inventory/lead time, please contact

us

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



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IRU1010CY Specifications

Manufacturer Part Number IRU1010CY Manufacturer Infineon Technologies Category Integrated Circuits (ICs) Package TO-261-4, TO-261AA Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 7V Voltage - Output (Min/Fixed) 2.5V Voltage - Output (Max) 3.6V Voltage Dropout (Max) 1.3V @ 1A Current - Output 1A Current - Supply (Max) 10mA PSRR 70dB (120Hz) Control Features Over Current, Over Temperature Operating Temperature 0°C ~ 150°C Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	•	
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Package TO-261-4, TO-261AA Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 7V Voltage - Output (Min/Fixed) 2.5V Voltage - Output (Max) 3.6V Voltage Dropout (Max) 1.3V @ 1A Current - Output 1 Current - Quiescent (Iq) - Current - Supply (Max) 10mA PSRR 70dB (120Hz) Control Features Over Current, Over Temperature Operating Temperature 0°C ~ 150°C Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	Category	Integrated Circuits (ICs)
Series - Output Configuration Positive Output Type Adjustable Number of Regulators 1 Voltage - Input (Max) 7V Voltage - Output (Min/Fixed) 2.5V Voltage - Output (Max) 3.6V Voltage Dropout (Max) 1.3V @ 1A Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) 10mA PSRR 70dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 150°C Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223		PMIC - Voltage Regulators - Linear
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Number of Regulators Voltage - Input (Max) Voltage - Output (Min/Fixed) 2.5V Voltage - Output (Max) 3.6V Voltage Dropout (Max) 1.3V @ 1A Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) PSRR 70dB (120Hz) Control Features Protection Features Over Current, Over Temperature Operating Temperature Operating Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package	Output Configuration	Positive
Voltage - Input (Max)7VVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)3.6VVoltage Dropout (Max)1.3V @ 1ACurrent - Output1ACurrent - Quiescent (Iq)-Current - Supply (Max)10mAPSRR70dB (120Hz)Control Features-Protection FeaturesOver Current, Over TemperatureOperating Temperature0°C ~ 150°CMounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Output Type	Adjustable
Voltage - Output (Min/Fixed) Voltage - Output (Max) 3.6V Voltage Dropout (Max) 1.3V @ 1A Current - Output 1A Current - Quiescent (Iq) Current - Supply (Max) 10mA PSRR 70dB (120Hz) Control Features Over Current, Over Temperature Operating Temperature Operating Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package	Number of Regulators	1
Voltage - Output (Max) Voltage Dropout (Max) 1.3V @ 1A Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) PSRR 70dB (120Hz) Control Features - Protection Features Operating Temperature Operating Type Mounting Type Surface Mount Package / Case Supplier Device Package Surface 3.6V 3.6V 3.6V 3.6V 3.6V 3.6V 6 A Over Lax 50 6 6 7 7 7 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 9	Voltage - Input (Max)	7V
Voltage Dropout (Max) Current - Output 1A Current - Quiescent (Iq) - Current - Supply (Max) PSRR 70dB (120Hz) Control Features - Protection Features Operating Temperature Operating Temperature Operating Type Surface Mount Package / Case Supplier Device Package 1A 1.3V @ 1A 1.4 Over Current, Over Temperature Over Current, Over Tem	Voltage - Output (Min/Fixed)	2.5V
Current - Output Current - Quiescent (Iq) Current - Supply (Max) PSRR 70dB (120Hz) Control Features - Protection Features Operating Temperature Operating Type Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package	Voltage - Output (Max)	3.6V
Current - Quiescent (Iq) Current - Supply (Max) PSRR 70dB (120Hz) Control Features - Protection Features Operating Temperature Operating Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package	Voltage Dropout (Max)	1.3V @ 1A
Current - Supply (Max) PSRR 70dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 150°C Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package	Current - Output	1A
PSRR 70dB (120Hz) Control Features - Protection Features Over Current, Over Temperature Operating Temperature 0°C ~ 150°C Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	Current - Quiescent (Iq)	-
Control Features - Over Current, Over Temperature Operating Temperature 0°C ~ 150°C Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	Current - Supply (Max)	10mA
Protection Features Operating Temperature 0°C ~ 150°C Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	PSRR	70dB (120Hz)
Operating Temperature 0°C ~ 150°C Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	Control Features	-
Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	Protection Features	Over Current, Over Temperature
Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	Operating Temperature	0°C ~ 150°C
Supplier Device Package SOT-223	Mounting Type	Surface Mount
	Package / Case	TO-261-4, TO-261AA
Report errors?	Supplier Device Package	SOT-223
		Report errors?

IRU1010CY 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.

IRU1010CY Payment Methods



















IRU1010CY Shipping Methods













If you have any question about IRU1010CY, please do not hesitate to contact us!

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