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# NCP163AFCT250T2G

#### NCP163AFCT250T2G Information

Part Number NCP163AFCT250T2G
Manufacturer ON Semiconductor
Category Integrated Circuits (ICs

Integrated Circuits (ICs)
PMIC - Voltage Regulators - Linear

**Description** CSP LDO 250 MA ULTRA-LOW

Package 4-XFBGA, WLCSP

For the pricing/inventory/lead time, please contact

us

For Reference Only

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.









## NCP163AFCT250T2G Specifications

Manufacturer Part Number         NCP163AFCT250T2G           Manufacturer         ON Semiconductor           Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         4-XFBGA, WLCSP           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.175V @ 250mA           Current - Output         250mA           Current - Quiescent (Iq)         20µA           Current - Supply (Max)         -           PSRR         91dB ~ 60dB (100Hz ~ 100kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature, Soft Start           Operating Temperature         4-0°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         4-XFBGA, WLCSP           Supplier Device Package         4-WLCSP (0.64x0.64)	•		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         4-XFBGA, WLCSP           Scries         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.175V @ 250mA           Current - Output         250mA           Current - Quiescent (Iq)         20µA           Current - Supply (Max)         -           PSRR         91dB ~ 60dB (100Hz ~ 100kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature, Soft Start           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         4-XFBGA, WLCSP           Supplier Device Package         4-WLCSP (0.64x0.64)	Manufacturer Part Number	NCP163AFCT250T2G	
PMIC - Voltage Regulators - Linear           Package         4-XFBGA, WLCSP           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.175V @ 250mA           Current - Output         250mA           Current - Quiescent (Iq)         20μA           Current - Supply (Max)         -           PSRR         91dB ~ 60dB (100Hz ~ 100kHz)           Control Features         Dover Current, Over Temperature, Soft Start           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         4-WLCSP (0.64x0.64)	Manufacturer	ON Semiconductor	
Package         4-XFBGA, WLCSP           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.175V @ 250mA           Current - Output         20μA           Current - Quiescent (Iq)         20μA           Current - Supply (Max)         -           PSRR         91dB ~ 60dB (100Hz ~ 100kHz)           Control Features         Over Current, Over Temperature, Soft Start           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         4-XFBGA, WLCSP           Supplier Device Package         4-WLCSP (0.64x0.64)	Category	Integrated Circuits (ICs)	
Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.175V @ 250mA           Current - Output         250mA           Current - Quiescent (Iq)         20μA           Current - Supply (Max)         -           PSRR         91dB ~ 60dB (100Hz ~ 100kHz)           Control Features         Over Current, Over Temperature, Soft Start           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         4-XFBGA, WLCSP           Supplier Device Package         4-WLCSP (0.64x0.64)		PMIC - Voltage Regulators - Linear	
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Voltage - Input (Max)  Voltage - Output (Min/Fixed)  2.5V  Voltage - Output (Max)  -  Voltage Dropout (Max)  0.175V @ 250mA  Current - Output  250mA  Current - Quiescent (Iq)  20µA  Current - Supply (Max)  -  PSRR  91dB ~ 60dB (100Hz ~ 100kHz)  Control Features  Protection Features  Over Current, Over Temperature, Soft Start  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  4-XFBGA, WLCSP  Supplier Device Package  4-WLCSP (0.64x0.64)	Output Type	Fixed	
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Voltage Dropout (Max)  Current - Output  250mA  Current - Quiescent (Iq)  20μA  Current - Supply (Max)  PSRR  91dB ~ 60dB (100Hz ~ 100kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature, Soft Start  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  4-XFBGA, WLCSP  Supplier Device Package	Voltage - Output (Min/Fixed)	2.5V	
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Current - Supply (Max)  PSRR 91dB ~ 60dB (100Hz ~ 100kHz)  Control Features Enable  Protection Features Over Current, Over Temperature, Soft Start  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type Surface Mount  Package / Case 4-XFBGA, WLCSP  Supplier Device Package 4-WLCSP (0.64x0.64)	Current - Output	250mA	
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Control Features  Protection Features  Over Current, Over Temperature, Soft Start  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  4-XFBGA, WLCSP  Supplier Device Package  4-WLCSP (0.64x0.64)	Current - Supply (Max)	-	
Protection Features Over Current, Over Temperature, Soft Start $ -40^{\circ}\text{C} \sim 125^{\circ}\text{C (TA)} $ Mounting Type Surface Mount $ Package / Case                                   $	PSRR	91dB ~ 60dB (100Hz ~ 100kHz)	
Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  4-XFBGA, WLCSP  Supplier Device Package  4-WLCSP (0.64x0.64)	Control Features	Enable	
Mounting Type Surface Mount Package / Case 4-XFBGA, WLCSP Supplier Device Package 4-WLCSP (0.64x0.64)	Protection Features	Over Current, Over Temperature, Soft Start	
Package / Case 4-XFBGA, WLCSP Supplier Device Package 4-WLCSP (0.64x0.64)	Operating Temperature	-40°C ~ 125°C (TA)	
Supplier Device Package 4-WLCSP (0.64x0.64)	Mounting Type	Surface Mount	
	Package / Case	4-XFBGA, WLCSP	
Report errors?	Supplier Device Package	4-WLCSP (0.64x0.64)	
			Report errors?

#### NCP163AFCT250T2G 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.

### NCP163AFCT250T2G Payment Methods





















### NCP163AFCT250T2G Shipping Methods













If you have any question about NCP163AFCT250T2G, please do not hesitate to contact us!

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