

# NCP160BFCT180T2G

## NCP160BFCT180T2G Information



For Reference Only

Part Number NCP160BFCT180T2G
Manufacturer ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LINEAR 1.8V 250MA 4WLCSP

Package 4-XFBGA, WLCSP

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.









## NCP160BFCT180T2G Specifications

Manufacturer Part Number         NCP160BFCT180T2G           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)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.25V @ 250mA           Current - Output         250mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         23µA           PSRR         91dB ~ 48dB (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)	*		
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)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.25V @ 250mA           Current - Output         250mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         23µA           PSRR         91dB ~ 48dB (100Hz ~ 100kHz)           Control Features         Protection Features           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	NCP160BFCT180T2G	
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Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.25V @ 250mACurrent - Output250mACurrent - Quiescent (Iq)-Current - Supply (Max)23μAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft StartOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case4-XFBGA, WLCSPSupplier Device Package4-WLCSP (0.64x0.64)		PMIC - Voltage Regulators - Linear	
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Voltage - Input (Max)  5.5V  Voltage - Output (Min/Fixed)  1.8V  Voltage - Output (Max)  -  Voltage Dropout (Max)  0.25V @ 250mA  Current - Output  250mA  Current - Quiescent (Iq)  -  Current - Supply (Max)  PSRR  91dB ~ 48dB (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	
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  - Voltage Dropout (Max)  0.25V @ 250mA  Current - Output  250mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  91dB ~ 48dB (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	Number of Regulators	1	
Voltage - Output (Max)  Voltage Dropout (Max)  Current - Output  250mA  Current - Quiescent (Iq)  - Current - Supply (Max)  23μA  PSRR  91dB ~ 48dB (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  Supplier Device Package  4-WLCSP (0.64x0.64)	Voltage - Input (Max)	5.5V	
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Current - Output250mACurrent - Quiescent (Iq)-Current - Supply (Max)23μAPSRR91dB ~ 48dB (100Hz ~ 100kHz)Control FeaturesEnableProtection FeaturesOver Current, Over Temperature, Soft StartOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case4-XFBGA, WLCSPSupplier Device Package4-WLCSP (0.64x0.64)	Voltage - Output (Max)	-	
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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)	23μΑ	
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)	PSRR	91dB ~ 48dB (100Hz ~ 100kHz)	
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)  Mounting Type Surface Mount  Package / Case $4\text{-XFBGA}$ , WLCSP  Supplier Device Package $4\text{-WLCSP}$ (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?

#### NCP160BFCT180T2G 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.

### NCP160BFCT180T2G Payment Methods





















### NCP160BFCT180T2G Shipping Methods













If you have any question about NCP160BFCT180T2G, please do not hesitate to contact us!

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