

NCP160AFCT300T2G

NCP160AFCT300T2G Information



For Reference Only

Part Number NCP160AFCT300T2G
Manufacturer ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 3V 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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| NCP160AFCT300T2G | Specifications |
|------------------|----------------|
| NCP10UAFC15UU12G | Specifications |

| Manufacturer Part Number NCP160AFCT300T2G Manufacturer ON Semiconductor Category Integrated Circuits (ICs) Package 4-XFBGA, WLCSP Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Voltage Dropout (Max) 0.155V @ 250mA Current - Output 250mA Current - Quiescent (Iq) - Current - Supply (Max) 23µA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount | 1 | * | |
|---|------------------------------|--|--|
| 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) 3V Voltage - Output (Max) - Voltage Dropout (Max) 0.155V @ 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) | Manufacturer Part Number | NCP160AFCT300T2G | |
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| Series - Coutput Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Coutput (Max) 0.155V @ 250mA Current - Output 250mA Current - Quiescent (Iq) - Current - Supply (Max) 23µA PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Over Current, Over Temperature, Soft Start Operating Temperature - 40°C ~ 125°C (TA) | | PMIC - Voltage Regulators - Linear | |
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| Output Type Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 3V Voltage - Output (Max) - Voltage - Output (Max) - Voltage Dropout (Max) 0.155V @ 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) | Series | - | |
| Number of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)3VVoltage - Output (Max)-Voltage Dropout (Max)0.155V @ 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) | Output Configuration | Positive | |
| Voltage - Input (Max) Voltage - Output (Min/Fixed) Voltage - Output (Max) Voltage - Output (Max) - Voltage Dropout (Max) Current - Output 250mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Protection Features Over Current, Over Temperature, Soft Start -40°C ~ 125°C (TA) | Output Type | Fixed | |
| Voltage - Output (Min/Fixed) Voltage - Output (Max) - Voltage Dropout (Max) Current - Output 250mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Protection Features Over Current, Over Temperature, Soft Start -40°C ~ 125°C (TA) | Number of Regulators | 1 | |
| Voltage - Output (Max) Voltage Dropout (Max) Current - Output 250mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Protection Features Operating Temperature -40°C ~ 125°C (TA) | Voltage - Input (Max) | 5.5V | |
| Voltage Dropout (Max) $0.155V @ 250mA$ Current - Output $250mA$ Current - Quiescent (Iq) - Current - Supply (Max) $23\mu A$ PSRR $91dB \sim 48dB (100Hz \sim 100kHz)$ Control Features $91dB \sim 48dB (100Hz \sim 100kHz)$ Protection Features $91dB \sim 48dB (100Hz \sim 100kHz)$ Control Features $91dB \sim 48dB (100Hz \sim 100kHz)$ | Voltage - Output (Min/Fixed) | 3V | |
| Current - Output 250mA Current - Quiescent (Iq) - Current - Supply (Max) 23 μ A PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°C (TA) | Voltage - Output (Max) | - | |
| Current - Quiescent (Iq) - $ 23\mu A $ PSRR 91dB ~ 48dB (100Hz ~ 100kHz) Control Features Enable Protection Features Over Current, Over Temperature, Soft Start Operating Temperature -40°C ~ 125°C (TA) | Voltage Dropout (Max) | 0.155V @ 250mA | |
| Current - Supply (Max) $23\mu A$ $PSRR \qquad 91 dB \sim 48 dB \ (100 Hz \sim 100 kHz)$ $Control \ Features \qquad Enable$ $Protection \ Features \qquad Over \ Current, \ Over \ Temperature, \ Soft \ Start$ $-40^{\circ}C \sim 125^{\circ}C \ (TA)$ | Current - Output | 250mA | |
| PSRR 91dB \sim 48dB (100Hz \sim 100kHz) Control Features Enable Protection Features Over Current, Over Temperature, Soft Start Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA) | Current - Quiescent (Iq) | - | |
| Control Features Enable Protection Features Over Current, Over Temperature, Soft Start Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA) | Current - Supply (Max) | 23μΑ | |
| Protection Features Over Current, Over Temperature, Soft Start $ -40^{\circ}\text{C} \sim 125^{\circ}\text{C (TA)} $ | PSRR | 91dB ~ 48dB (100Hz ~ 100kHz) | |
| Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$ | Control Features | Enable | |
| | Protection Features | Over Current, Over Temperature, Soft Start | |
| Mounting Type Surface Mount | Operating Temperature | -40°C ~ 125°C (TA) | |
| · · · · | Mounting Type | Surface Mount | |
| Package / Case 4-XFBGA, WLCSP | Package / Case | 4-XFBGA, WLCSP | |
| Supplier Device Package 4-WLCSP (0.64x0.64) | Supplier Device Package | 4-WLCSP (0.64x0.64) | |
| Report errors? | | Report errors? | |

NCP160AFCT300T2G 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.

NCP160AFCT300T2G Payment Methods



















NCP160AFCT300T2G Shipping Methods













If you have any question about NCP160AFCT300T2G, please do not hesitate to contact us!

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