



### LM1086ISX-1.8/NOPB Information



For Reference Only

Part Number LM1086ISX-1.8/NOPB
Manufacturer Texas Instruments

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear IC REG LINEAR 1.8V 1.5A DDPAK

Package TO-263-4, D2Pak (3 Leads + Tab), TO-263AA

For the pricing/inventory/lead time, please contact

us

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



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**Description** 









## LM1086ISX-1.8/NOPB Specifications

Manufacturer Part Number         LM1086ISX-1.8/NOPB           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Package         TO-263-4, D2Pak (3 Leads + Tab), TO-263AA           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         27V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         1.5A           Current - Output         1.5A           Current - Quiescent (Iq)         -           Current - Supply (Max)         5mA ~ 10mA           PSRR         72d8 (120Hz)           Control Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         4.0°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-263-4, D2Pak (3 Leads + Tab), TO-263AA           Supplier Device Package         DDPAK/TO-263-3	•	
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         TO-263-4, D2Pak (3 Leads + Tab), TO-263AA           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         27V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         1.5V @ 1.5A           Current - Output         1.5A           Current - Quiescent (Iq)         -           Current - Supply (Max)         5mA ~ 10mA           PSRR         72dB (120Hz)           Control Features         -           Protection Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-263-4, D2Pak (3 Leads + Tab), TO-263AA           Supplier Device Package         DDPAK/TO-263-3	Manufacturer Part Number	LM1086ISX-1.8/NOPB
PMIC - Voltage Regulators - Linear           Package         TO-263-4, D2Pak (3 Leads + Tab), TO-263AA           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         1           Voltage - Input (Max)         27V           Voltage - Output (Min/Fixed)         1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         1.5V @ 1.5A           Current - Output         1.5A           Current - Quiescent (Iq)         -           Current - Supply (Max)         5mA ~ 10mA           PSRR         72dB (120Hz)           Control Features         -           Protection Features         Over Current, Over Temperature, Short Circuit           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-263-4, D2Pak (3 Leads + Tab), TO-263AA           Supplier Device Package         DDPAK/TO-263-3	Manufacturer	Texas Instruments
Package TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Series - Output Configuration Positive Output Type Fixed  Number of Regulators 1 Voltage - Input (Max) 27V  Voltage - Output (Min/Fixed) 1.8V  Voltage - Output (Max) - Voltage Dropout (Max) 1.5V @ 1.5A  Current - Output (Diput (Dip	Category	Integrated Circuits (ICs)
Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 27V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Min/Fixed) 1.8V Voltage - Output (Max) - Voltage Dropout (Max) 1.5V @ 1.5A Current - Output 1.5A Current - Output 1.5A Current - Quiescent (Iq) - Current - Supply (Max) 5mA ~ 10mA PSRR 72dB (120Hz) Control Features - Voler Current, Over Temperature, Short Circuit Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA Supplier Device Package		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)27VVoltage - Output (Min/Fixed)1.8VVoltage - Output (Max)-Voltage Dropout (Max)1.5V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)5mA ~ 10mAPSRR72dB (120Hz)Control Features-Protection FeaturesOver Current, Over Temperature, Short CircuitOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-263-4, D2Pak (3 Leads + Tab), TO-263AASupplier Device PackageDDPAK/TO-263-3	Package	TO-263-4, D2Pak (3 Leads + Tab), TO-263AA
Output Type Fixed  Number of Regulators 1  Voltage - Input (Max) 27V  Voltage - Output (Min/Fixed) 1.8V  Voltage - Output (Max) -  Voltage Dropout (Max) 1.5V @ 1.5A  Current - Output 1.5A  Current - Quiescent (Iq) -  Current - Supply (Max) 5mA ~ 10mA  PSRR 72dB (120Hz)  Control Features -  Protection Features Over Current, Over Temperature, Short Circuit  Operating Temperature 40°C ~ 125°C  Mounting Type Surface Mount  Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package DDPAK/TO-263-3	Series	-
Number of Regulators  Voltage - Input (Max)  Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Voltage Dropout (Max)  -  Voltage Dropout (Max)  1.5V @ 1.5A  Current - Output  1.5A  Current - Quiescent (Iq)  -  Current - Supply (Max)  SmA ~ 10mA  PSRR  72dB (120Hz)  Control Features  Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  DDPAK/TO-263-3	Output Configuration	Positive
Voltage - Input (Max)  Voltage - Output (Min/Fixed)  1.8V  Voltage - Output (Max)  -  Voltage Dropout (Max)  1.5V @ 1.5A  Current - Output  1.5A  Current - Quiescent (Iq)  -  Current - Supply (Max)  PSRR  72dB (120Hz)  Control Features  -  Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  DDPAK/TO-263-3	Output Type	Fixed
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  -  Voltage Dropout (Max)  1.5V @ 1.5A  Current - Output  1.5A  Current - Quiescent (Iq)  -  Current - Supply (Max)  5mA ~ 10mA  PSRR  72dB (120Hz)  Control Features  -  Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  DDPAK/TO-263-3	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  1.5V @ 1.5A  Current - Output  1.5A  Current - Quiescent (Iq)  - Current - Supply (Max)  SmA ~ 10mA  PSRR  72dB (120Hz)  Control Features  - Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  DDPAK/TO-263-3	Voltage - Input (Max)	27V
Voltage Dropout (Max)  Current - Output  1.5A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  72dB (120Hz)  Control Features  - Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  DDPAK/TO-263-3	Voltage - Output (Min/Fixed)	1.8V
Current - Output  1.5A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  72dB (120Hz)  Control Features  - Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  DDPAK/TO-263-3	Voltage - Output (Max)	-
Current - Quiescent (Iq)  Current - Supply (Max)  5mA ~ 10mA  72dB (120Hz)  Control Features  - Protection Features  Over Current, Over Temperature, Short Circuit  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  DDPAK/TO-263-3	Voltage Dropout (Max)	1.5V @ 1.5A
Current - Supply (Max)  5mA ~ 10mA  72dB (120Hz)  Control Features  - Protection Features  Over Current, Over Temperature, Short Circuit  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package  DDPAK/TO-263-3	Current - Output	1.5A
PSRR 72dB (120Hz)  Control Features -  Protection Features Over Current, Over Temperature, Short Circuit  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package DDPAK/TO-263-3	Current - Quiescent (Iq)	-
Control Features - Over Current, Over Temperature, Short Circuit Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA Supplier Device Package DDPAK/TO-263-3	Current - Supply (Max)	5mA ~ 10mA
Protection Features Over Current, Over Temperature, Short Circuit -40°C ~ 125°C  Mounting Type Surface Mount Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package DDPAK/TO-263-3	PSRR	72dB (120Hz)
Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package DDPAK/TO-263-3	Control Features	-
Mounting Type Surface Mount  Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA  Supplier Device Package DDPAK/TO-263-3	Protection Features	Over Current, Over Temperature, Short Circuit
Package / Case TO-263-4, D2Pak (3 Leads + Tab), TO-263AA Supplier Device Package DDPAK/TO-263-3	Operating Temperature	-40°C ~ 125°C
Supplier Device Package DDPAK/TO-263-3	Mounting Type	Surface Mount
	Package / Case	TO-263-4, D2Pak (3 Leads + Tab), TO-263AA
Report errors?	Supplier Device Package	DDPAK/TO-263-3
		Report errors?

### LM1086ISX-1.8/NOPB 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.

## LM1086ISX-1.8/NOPB Payment Methods



















## LM1086ISX-1.8/NOPB Shipping Methods













If you have any question about LM1086ISX-1.8/NOPB, please do not hesitate to contact us!

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